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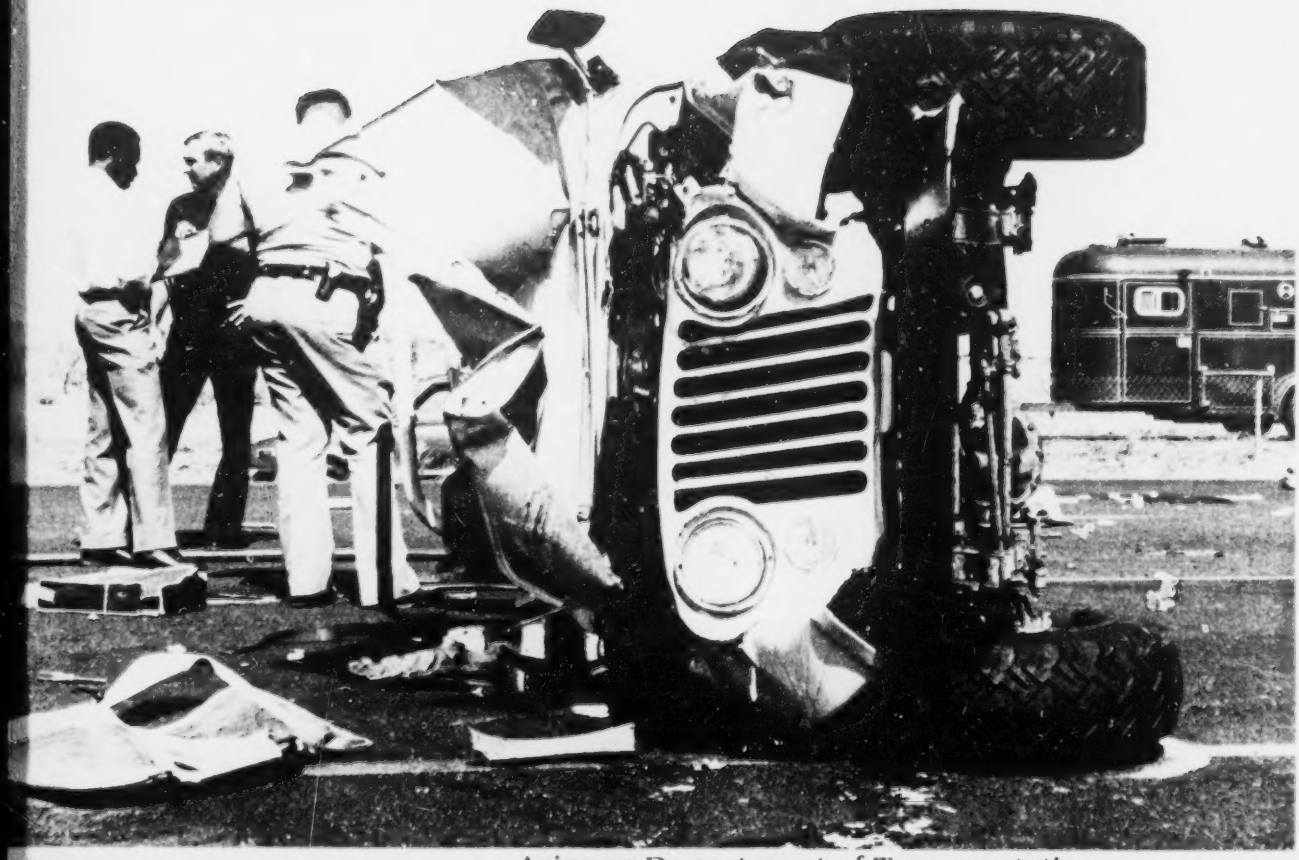
Arizona Traffic Accident Summary

1981



Arizona Department of Transportation

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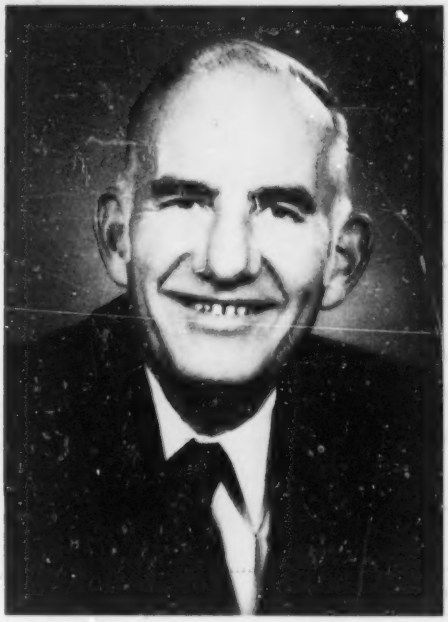
The 1981 ARIZONA TRAFFIC ACCIDENT SUMMARY is based on all traffic accident reports submitted to the Arizona Department of Transportation.

The SUMMARY is prepared annually by the Traffic Engineering Section of ADOT, with cooperation and assistance from Public Information Office and Forms Management.

Specific questions regarding data presented in the report should be addressed to Safety Projects Services at 261-7724.

A Message from
William A. Ordway, Director
Arizona Department of Transportation



While even a single accident is one too many, Arizona's traffic record in 1981 showed some improvement ... reported accidents were down 9.1%, the death toll dropped by 3.3%, and the number injured declined by 2.8%. It was the second straight year fewer than a thousand persons lost their lives on the State's roads and streets.

This was accomplished in spite of the fact that more people traveled Statewide during the year, up 4.3% over the prior year.

If we measure by human misery rather than the prior year's figures, however, we have little to crow about. We injured someone every 10.9 minutes and killed someone else every 10.5 hours during the year — and that's a lot of heartbreak.

Alcohol is a big culprit (but not the only one). It figured in 35% of all fatal accidents, writing another stanza in a litany of death and destruction which so incensed State Legislators that they passed a new drunk driving law that's among the toughest in the nation. This has helped stamp a warning on the public awareness as never before which hopefully will play a role in curbing this serious problem.

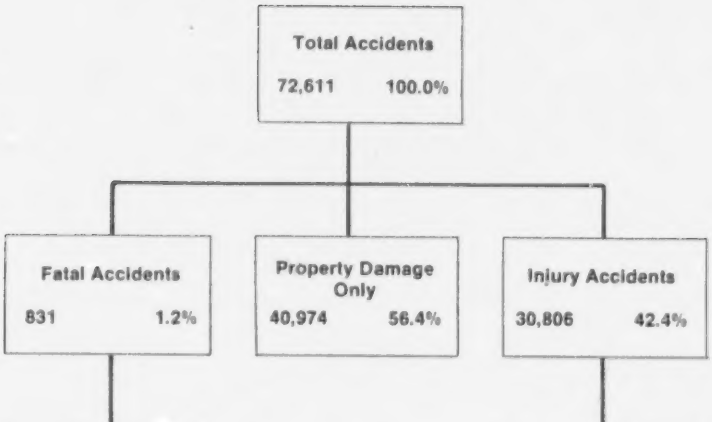
Pedestrian deaths continue to plague us. There were 183 killed last year, up 4%. The need for extra care by **both** pedestrians and drivers was never more clear.

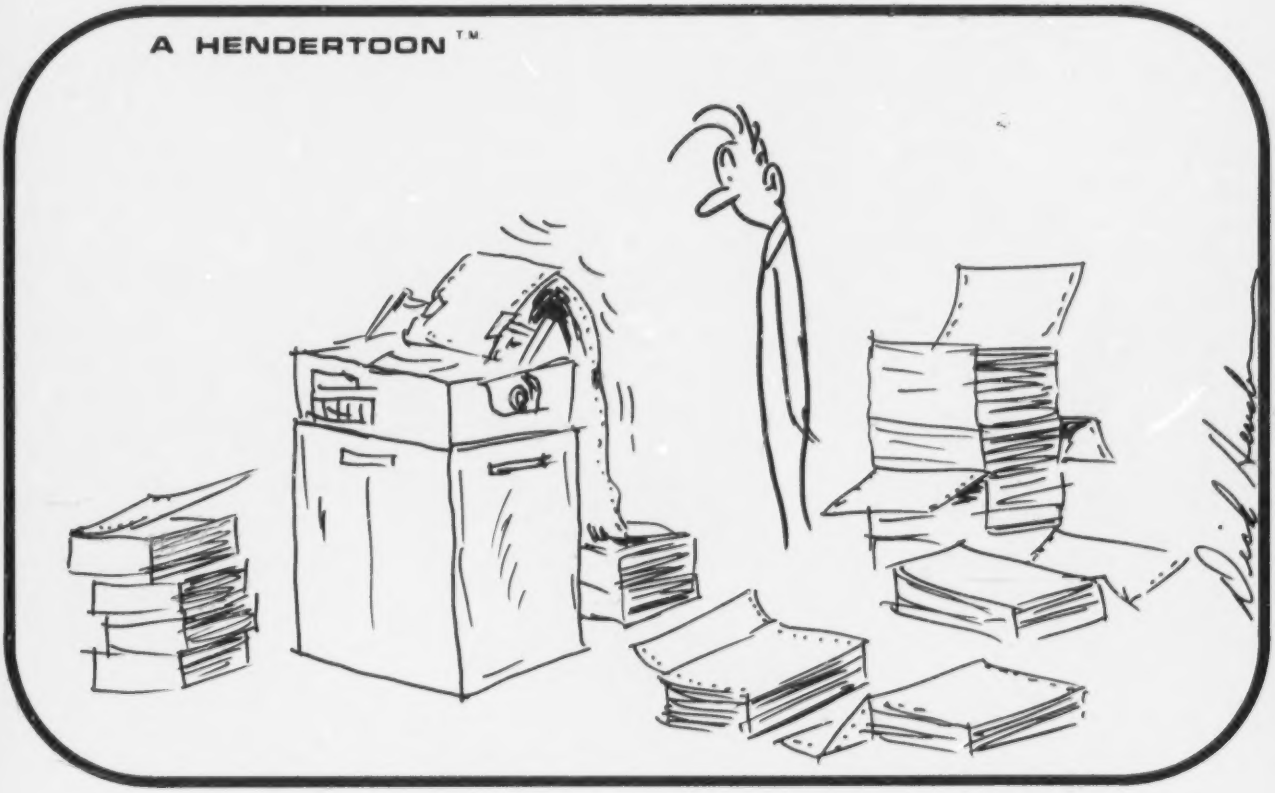
The summary of statistics contained in this annual booklet is helpful in analyzing where the professionals can best target their safety efforts in the days ahead ... but it also carries a powerful message to **everyone** who gets behind the wheel. Safety, after all, **is** everyone's business.

Bill Ordway

William A. Ordway, Director
Arizona Department of Transportation

Highlights and Historical Trends

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Arizona Accident Facts — 1981

	1980	1981	Percent Change
Reported Accidents	79,870	72,611	-9.1
Total Killed	947	916	-3.3
Total Injured	49,697	48,322	-2.8
Pedestrians Killed	176	183	+4.0
Pedestrians Injured	1,227	1,225	-.2
Motorcyclists Killed	119	118	-.8
Motorcyclists Injured	4,069	3,596	-11.6
Bicyclists Killed	19	15	-21.1
Bicyclists Injured	1,377	1,370	-.5
Millions of Vehicle Miles Traveled	21,965	22,920	+4.3
Deaths Per 100 Million Vehicle Miles Traveled	4.31	4.00	-7.2
Injuries Per 100 Million Vehicle Miles Traveled	226.3	210.8	-6.8

In 1981 —

2.5 persons were killed every day day (one every 10.5 hours)
132.4 persons were injured every day (one every 10.9 minutes)

One licensed driver out of every 15.9 was involved in an accident
One vehicle out of every 16.1 was involved in an accident

62.6% of drivers in all accidents were male
75.1% of drivers in fatal accidents were male

16.6% of all accidents involved alcohol
35.0% of fatal accidents involved alcohol

63.3% of all accidents happened during daylight hours
52.6% of fatal accidents happened during darkness

44.8% of fatal accidents happened on weekends from 6 p.m. Friday to midnight Sunday
Most dangerous day: Friday, with 18.2% of all accidents

77.1% of all accidents happened in urban areas of the state
45.1% of fatal accidents happened in urban areas of the state

Arizona Economic Loss by County for 1981*

COUNTIES	Persons Killed		Persons Injured		Property Damage Accidents		Economic Loss
	No.	$ Loss	No.	$ Loss	No.	$ Loss	$ Total
Apache	38	$6,460,000	503	$3,370,100	543	$532,140	$10,362,240
Cochise	28	4,760,000	788	5,279,600	978	958,440	10,998,040
Coconino	45	7,650,000	1,356	9,085,200	2,011	1,970,780	18,705,980
Gila	31	5,270,000	624	4,180,800	516	505,680	9,956,480
Graham	7	1,190,000	206	1,380,200	160	156,800	2,727,000
Greenlee	3	510,000	121	810,700	152	148,960	1,469,660
Maricopa	396	67,320,000	30,145	201,971,500	22,729	22,274,420	291,565,920
Mohave	32	5,440,000	1,126	7,544,200	696	682,080	13,666,280
Navajo	38	6,460,000	450	3,015,000	509	498,820	9,973,820
Pima	151	25,670,000	8,846	59,268,200	9,178	8,994,440	93,332,640
Pinal	61	10,370,000	1,275	8,542,500	986	966,280	19,878,780
Santa Cruz	2	340,000	297	1,989,900	164	160,720	2,490,620
Yavapai	36	6,120,000	1,215	8,140,500	885	867,300	15,127,800
Yuma	48	8,160,000	1,370	9,179,000	1,467	1,437,660	18,776,660
Totals	**916**	**$155,720,000**	**48,322**	**$323,757,400**	**40,974**	**$40,154,520**	**$519,631,920**

*Economic Loss From Traffic Accidents in Arizona — 1981 (Based on estimates developed by the National Safety Council:
1. Fatality $170,000
2. Injury $6,700
3. Property Damage (Only) Accident $980

- *Annual economic loss to every man, woman and child in Arizona was $184*

Deaths and Injuries by Age and Sex

AGE	PERSONS KILLED			PERSONS INJURED			
	Total	Male	Female	Total	Male	Female	Sex Not Stated
0-4	19	16	3	1,474	753	721	0
5-9	16	7	9	1,331	716	613	2
10-14	25	13	12	1,931	1,036	894	1
15-19	114	81	33	8,338	4,726	3,609	3
20-24	161	127	34	9,398	5,640	3,752	6
25-34	216	170	46	11,120	6,590	4,526	4
35-44	73	53	20	5,066	2,703	2,360	3
45-54	79	59	20	3,452	1,718	1,733	1
55-64	61	42	19	2,890	1,353	1,534	3
65-74	60	37	23	1,968	880	1,086	2
75 & Over	63	36	27	916	418	498	0
Age Not Stated	29	17	12	438	282	130	26
Totals	**916**	**658**	**258**	**48,322**	**26,815**	**21,456**	**51**

Arizona Highway Accident Statis By Years

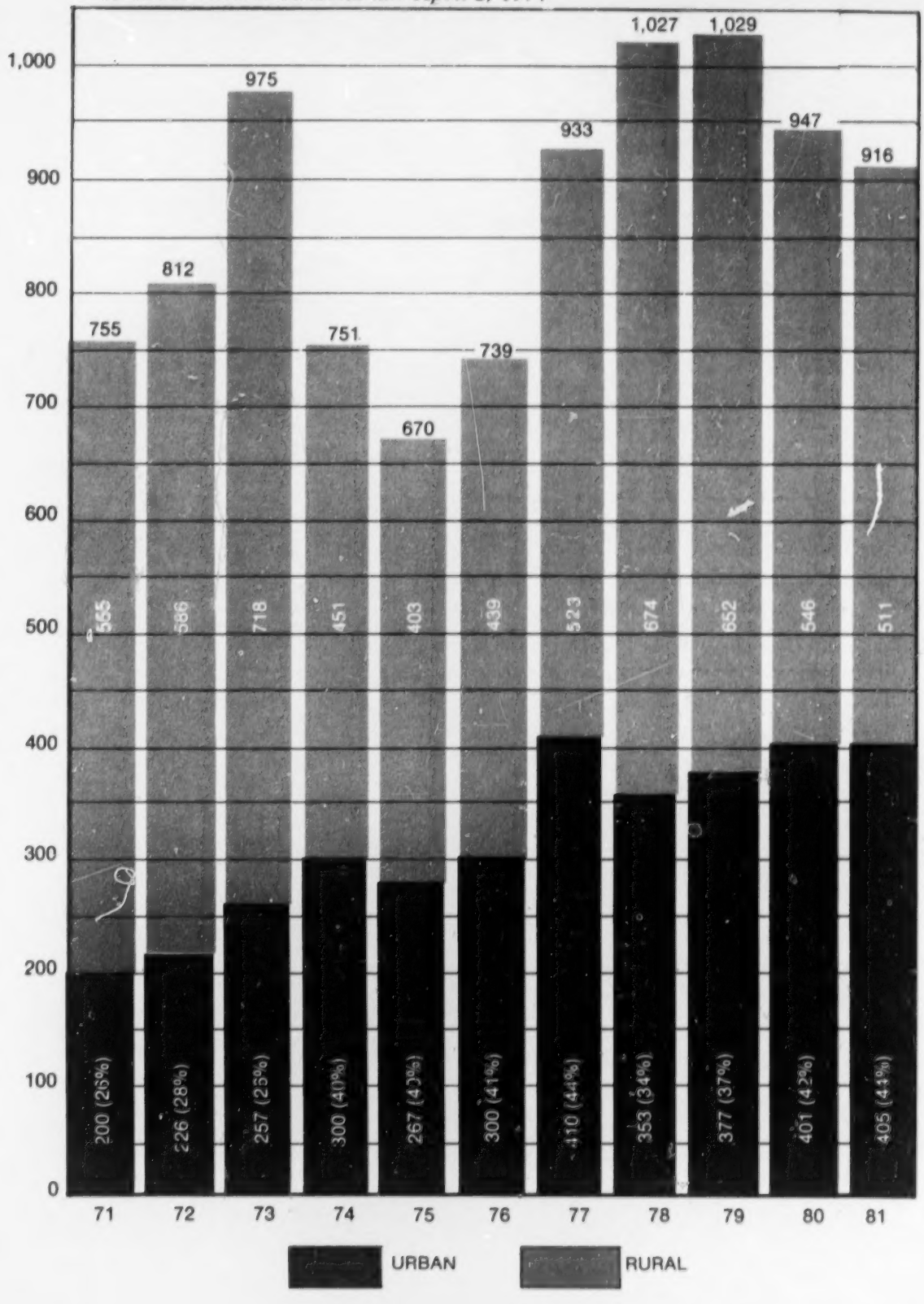
1925-1981

Calendar Year	Motor Vehicle Registration	Motor Vehicle Mileage	Traffic Deaths	Traffic Injuries	Estimated Arizona Fatality Rate/Per 100,000,000 Vehicle Miles	Estimated U.S. Fatality Rate/Per 100,000,000 Vehicle Miles
1925	68,029	370,916,000	76	NA	20.49	18.20
1926	73,682	423,904,000	120	NA	28.31	18.20
1927	81,047	523,913,000	147	NA	28.06	15.60
1928	94,372	655,954,000	130	NA	19.82	15.60
1929	121,684	831,948,000	157	NA	18.87	15.60
1930	110,915	867,750,000	190	NA	21.90	15.60
1931	105,398	846,794,000	159	NA	18.78	15.60
1932	95,256	773,587,000	166	1,048	21.46	15.60
1933	91,418	726,390,000	154	1,017	21.23	15.60
1934	98,730	836,288,000	205	1,479	24.54	16.75
1935	105,610	930,758,000	217	1,905	23.31	15.91
1936	117,467	1,092,722,000	244	2,506	22.31	15.11
1937	131,867	1,185,083,000	258	2,966	21.77	14.68
1938	131,774	1,157,144,000	200	2,583	17.28	12.02
1939	134,303	1,216,650,000	215	2,718	17.67	11.35
1940	141,788	1,308,550,000	228	2,800	17.42	11.42
1941	147,835	1,518,067,000	272	3,622	17.92	11.99
1942	144,088	1,516,774,000	230	2,125	15.15	10.60
1943	139,361	1,193,715,000	168	1,720	14.07	11.52
1944	140,213	1,264,237,000	180	1,822	14.24	11.48
1945	146,436	1,573,475,000	283	2,540	17.98	11.28
1946	163,623	2,275,352,000	236	2,824	10.36	9.81
1947	191,612	2,389,247,000	256	2,824	10.75	8.82
1948	217,916	2,560,503,000	301	2,925	11.70	8.11
1949	242,074	2,852,937,000	281	3,195	10.51	7.47
1950	271,803	2,944,000,000	325	4,135	10.73	7.59
1951	294,319	3,356,160,000	415	3,638	12.30	7.53
1952	330,625	3,846,677,000	396	5,922	10.30	7.36
1953	359,984	4,034,830,000	397	6,402	9.84	6.97
1954	380,192	4,094,098,000	402	6,035	9.82	6.34
1955	415,655	4,414,561,000	358	6,824	8.11	6.37
1956	452,144	5,043,005,000	483	7,572	9.64	6.31
1957	491,625	5,241,423,000	464	8,231	8.80	5.98
1958	526,460	5,615,127,000	509	9,776	9.01	5.56
1959	584,374	6,300,000,000	517	10,820	8.20	5.41
1960	630,016	6,535,862,000	513	13,360	7.85	5.31
1961	671,186	6,813,000,000	510	15,254	7.48	5.16
1962	709,707	7,286,795,605	510	16,958	6.99	5.32
1963	747,189	7,680,366,968	513	18,169	6.67	5.41
1964	789,113	8,089,299,842	588	20,229	7.26	5.63
1965	857,934	8,339,000,000	550	21,279	6.59	5.54
1966	903,945	8,861,000,000	643	23,231	7.25	5.67
1967	938,952	9,215,000,000	574	24,581	6.22	5.50
1968	1,001,823	10,042,171,456	695	28,080	6.92	5.50
1969	1,046,766	11,505,246,321	750	30,749	6.51	5.30
1970	1,122,113	12,122,437,566	762	32,230	6.28	4.91
1971	1,221,838	13,235,451,395	755	34,174	5.70	4.70
1972	1,344,779	14,795,985,059	812	37,525	5.49	4.50
1973	1,470,700	16,219,000,000	975	39,566	6.01	4.20
1974	1,531,955	15,724,551,816	751	35,430	4.78	3.63
1975	1,514,846	16,031,406,497	670	36,646	4.18	3.46
1976	1,536,835	16,895,449,043	739	39,467	4.37	3.44
1977	1,615,727	18,121,403,496	933	44,484	5.15	3.35
1978	1,728,190	19,277,000,000	1027	51,607	5.33	3.41
1979	2,004,796	21,500,000,000	1029	51,743	4.79	3.46
1980	2,085,311	21,965,000,000	947	49,697	4.31	3.48
1981	2,183,354	22,920,000,000	916	48,974	4.00	3.27

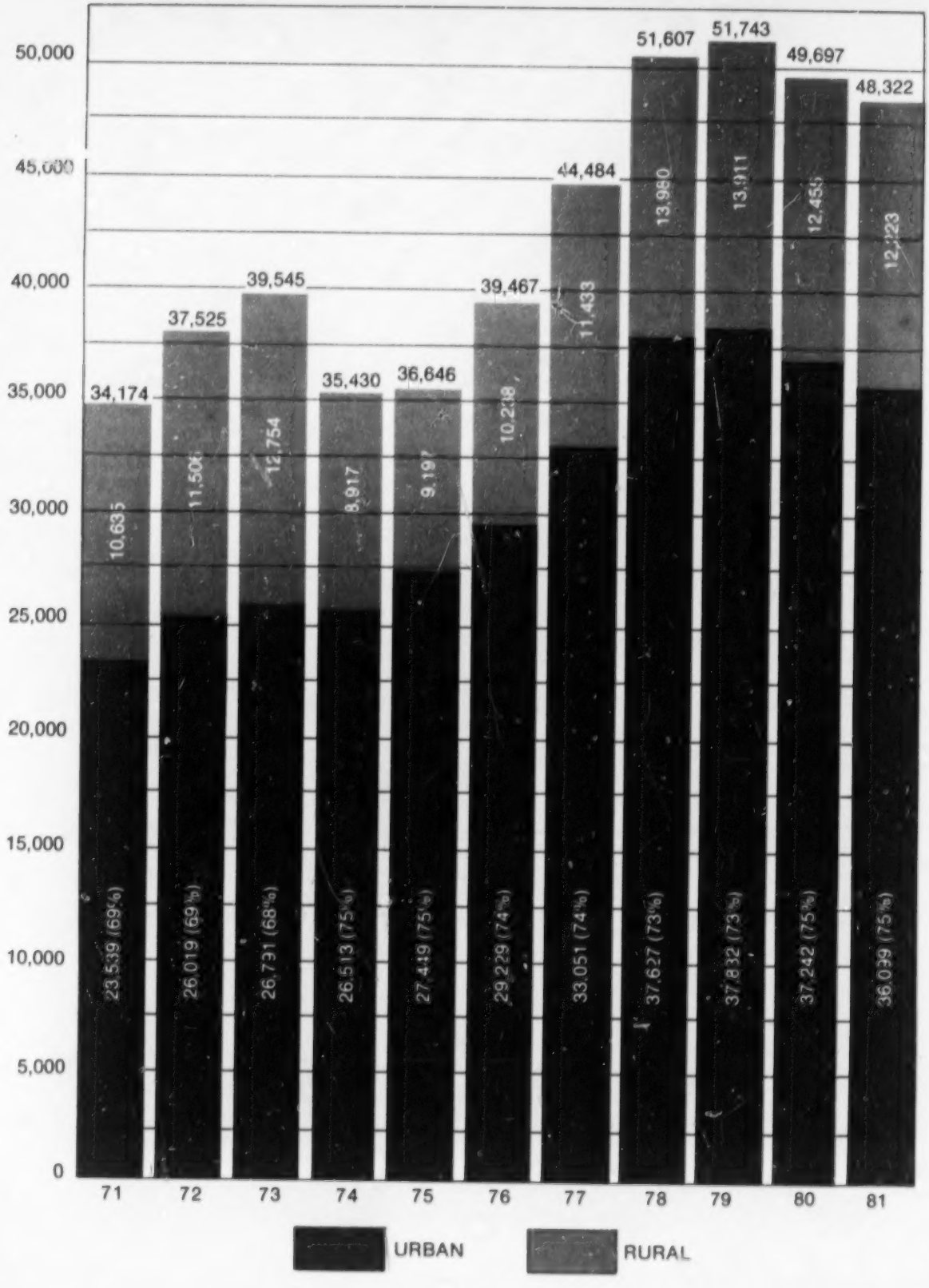
*Figures since 1968 show motor propelled units only

Persons Killed 1971-1981

• *55 MPH became Arizona law April 2, 1974*

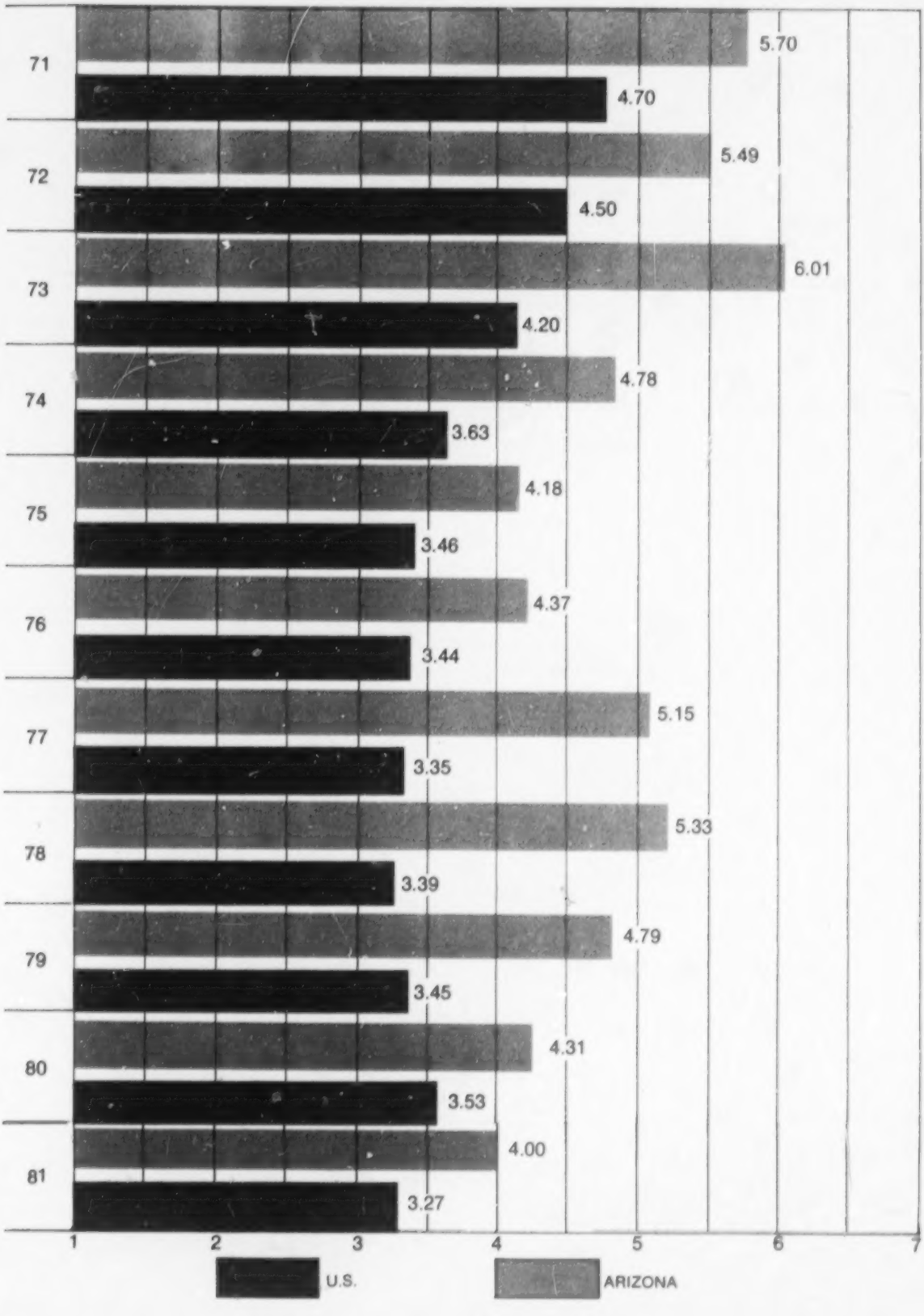


Persons Injured
1971-1981



Arizona vs U.S. Fatality Rate, 1971-1981

(Fatalities/100,000,000 Vehicle Miles)



Holiday Traffic Fatalities

Of the six major holidays celebrated each year, three fall on specific days of the week — Memorial Day, Labor Day, and Thanksgiving. They are regarded as three or four-day holidays, as the weekend is also included.

The other three holidays are celebrated on specific dates, and depending on what day of the week the date falls, the holiday period will vary from one to four days. If one of the "floating" holidays falls on Wednesday, it is a one-day holiday, otherwise the holiday period also includes the preceding or following weekend.

The counting of holiday fatalities starts at 6 p.m. on the last working day before the holiday and continues until midnight of the last day of the holiday period. For instance, Thanksgiving fatalities are counted from 6 p.m. Wednesday to midnight on Sunday.

HOLIDAY	1981 Dates		Number of Days	People Killed
	Begin 6 p.m.	End Midnight	1981	1981
New Years	Wednesday Dec. 30, 1980	Sunday Jan. 4, 1981	4	21
Memorial Day	Friday May 22, 1981	Monday May 25, 1981	3	10
July 4th	Thursday July 2, 1981	Sunday July 5, 1981	3	19
Labor Day	Friday Sept. 4, 1981	Monday Sept. 7, 1981	3	8
Thanksgiving	Wednesday Nov. 25, 1981	Sunday Nov. 29, 1981	4	13
Christmas	Thursday Dec. 24, 1981	Sunday Dec. 27, 1981	3	11

- *These six holiday weekends accounted for 8.9% of all 1981 traffic deaths.*

- *The deadliest non-holiday weekend of the year was May 1-3, when 19 individuals lost their lives in traffic accidents.*

Holiday Traffic

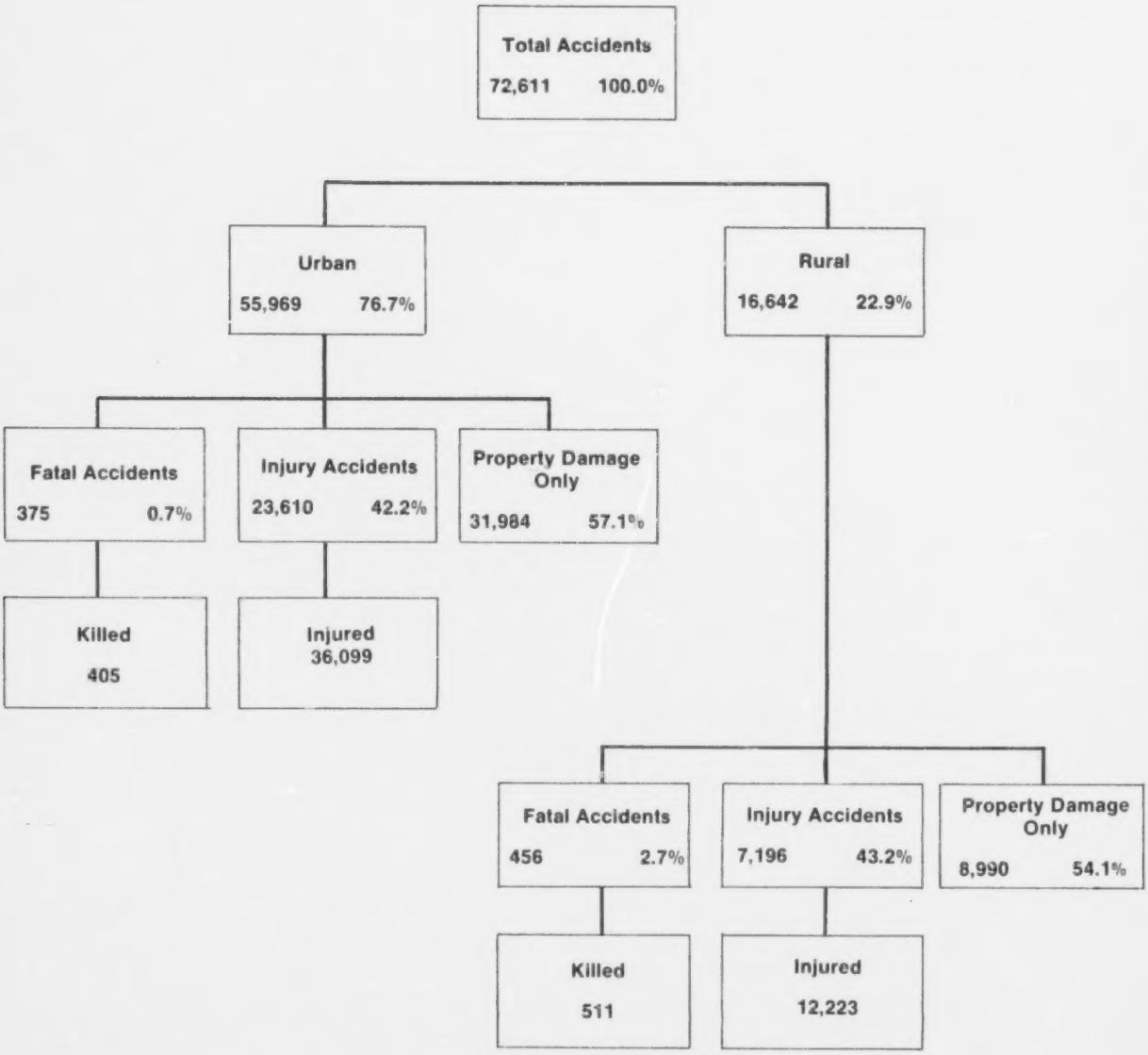
Fatal Accidents and Fatalities

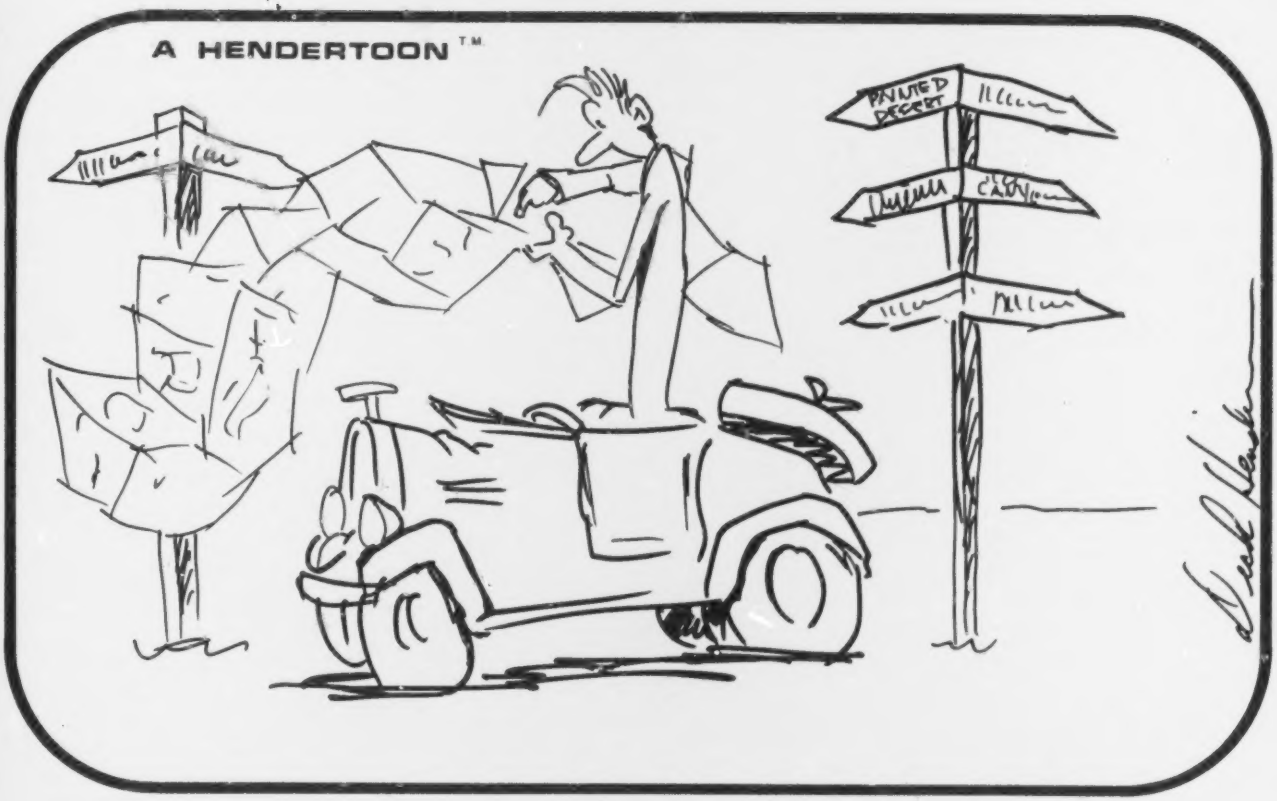
1971-1981

YEAR	New Year's		Memorial Day		4th of July		Labor Day		Thanksgiving		Christmas	
	People Killed	Fatal Acc.	People Killed	Fatal Acc.	People Killed	Fatal Acc.	People Killed	Fatal Acc.	People Killed	Fatal Acc.	People Killed	Fatal Acc.
1971	(3)* 12	10	(3)* 6	6	(3)* 5	5	(3)* 13	7	(4)* 11	9	(3)* 6	5
1972	(3) 9	9	(3) 8	6	(4) 14	14	(3) 16	14	(4) 16	13	(3) 21	18
1973	(3) 8	8	(3) 12	12	(1) 7	6	(3) 10	10	(4) 16	14	(4) 7	6
1974	(4) 1	1	(3) 10	6	(4) 8	8	(3) 15	11	(4) 9	8	(1) 4	4
1975	(1) 4	4	(3) 7	7	(3) 14	13	(3) 8	6	(4) 12	12	(4) 7	7
1976	(4) 14	11	(3) 10	8	(3) 16	13	(3) 8	7	(4) 6	5	(3) 5	5
1977	(3) 9	7	(3) 14	11	(3) 12	12	(3) 17	15	(4) 11	10	(3) 18	15
1978	(3) 9	9	(3) 21	20	(4) 22	19	(3) 19	15	(3) 15	12	(3) 15	13
1979	(3) 9	9	(3) 15	9	(1) 1	1	(3) 16	12	(4) 8	8	(4) 15	14
1980	(4) 17	14	(3) 9	8	(3) 11	7	(3) 12	11	(4) 13	10	(4) 20	17
1981	(4) 21	18	(3) 10	10	(3) 19	17	(3) 8	8	(4) 13	13	(3) 11	11

*Note: Numbers in parenthesis indicate time-span in days as established by the National Safety Council.

Geographic Location

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Accidents, Deaths, and Injuries by Cities and Towns

(As Reported to Arizona Department of Transportation)

Counties	Cities	Number of Accidents				Number of Persons		Alcohol Related		
		Total	Fatal	Injury	Property Damage	Total Killed	Total Injured	Total Acc.	Total Killed	Total Injured
Apache	Eagar	9	0	1	8	0	1	1	0	0
	St. Johns	35	1	12	22	1	20	8	1	8
	Springerville	10	0	4	6	0	9	3	0	0
	State Rural Roads	546	21	192	333	27	346	113	8	107
	County Roads	266	10	82	174	10	127	72	2	61
	Totals	**866**	**32**	**291**	**543**	**38**	**503**	**197**	**11**	**176**
Cochise	Benson	7	1	2	4	1	3	2	0	0
	Bisbee	181	0	38	143	0	62	20	0	21
	Douglas	401	2	68	331	2	87	39	1	17
	Huachuca City	11	0	6	5	0	10	3	0	2
	Sierra Vista	220	2	84	134	3	145	34	2	24
	Tombstone	25	0	5	20	0	7	7	0	1
	Willcox	44	0	18	26	0	35	11	0	3
	State Rural Roads	422	18	172	232	20	315	78	7	55
	County Roads	152	2	67	83	2	124	31	2	44
	Totals	**1,463**	**25**	**460**	**978**	**28**	**788**	**225**	**12**	**167**
Coconino	Flagstaff	1,376	9	341	1,026	12	461	199	4	124
	Fredonia	5	0	2	3	0	2	3	0	1
	Page	54	0	14	40	0	20	14	0	5
	Williams	81	0	17	64	0	23	10	0	6
	State Rural Roads	1,105	20	388	697	24	700	146	8	135
	County Roads	278	9	86	181	9	150	68	2	39
	Totals	**2,899**	**38**	**850**	**2,011**	**45**	**1,356**	**440**	**14**	**310**
Gila	Globe	178	1	66	111	1	90	34	0	26
	Hayden	10	1	6	3	1	7	2	0	2
	Miami	28	0	13	15	0	13	6	0	2
	Payson	55	2	25	28	2	44	5	2	9
	Winkelman	2	0	0	2	0	0	1	0	0
	State Rural Roads	558	23	231	304	25	408	123	10	127
	County Roads	96	2	41	53	2	62	16	0	8
	Totals	**927**	**29**	**382**	**516**	**31**	**624**	**187**	**12**	**174**
Graham	Pima	1	0	0	1	0	0	0	0	0
	Safford	103	0	44	59	0	60	17	0	12
	Thatcher	32	0	16	16	0	32	9	0	19
	State Rural Roads	121	4	52	65	6	92	28	2	32
	County Roads	37	1	17	19	1	22	8	0	5
	Totals	**294**	**5**	**129**	**160**	**7**	**216**	**62**	**2**	**68**
Greenlee	Clifton	85	0	19	66	0	24	11	0	3
	Duncan	8	0	8	0	0	11	3	0	5
	Morenci	4	0	0	4	0	0	0	0	0
	State Rural Roads	109	1	43	65	1	66	39	1	30
	County Roads	32	1	14	17	2	20	8	0	6
	Totals	**238**	**2**	**84**	**152**	**3**	**121**	**61**	**1**	**44**

Counties	Cities	Number of Accidents				Number of Persons		Alcohol Related		
		Total	Fatal	Injury	Property Damage	Total Killed	Total Injured	Total Acc.	Total Killed	Total Injured
Maricopa	Avondale	88	2	36	50	2	66	20	0	19
	Buckeye	8	0	6	2	0	12	1	0	1
	Chandler	522	5	198	319	5	288	99	2	63
	El Mirage	36	0	14	22	0	19	11	0	4
	Gila Bend	11	0	6	5	0	10	4	0	6
	Gilbert	38	0	15	23	0	24	6	0	3
	Glendale	1,694	8	879	807	9	1,398	280	2	291
	Goodyear	19	0	12	7	0	18	2	0	0
	Guadalupe	5	0	2	3	0	2	1	0	0
	Mesa	2,672	21	1,433	1,218	21	2,173	484	8	449
	Paradise Valley	169	0	58	111	0	92	23	0	33
	Peoria	175	1	52	122	1	83	32	0	28
	Phoenix	26,600	176	12,081	14,343	194	18,735	4,221	81	3,707
	Scottsdale	2,318	14	997	1,307	14	1,509	343	8	334
	Sun City	2	0	1	1	0	2	0	0	6
	Surprise	33	0	11	22	0	25	7	0	0
	Tempe	4,298	18	1,599	2,681	19	2,325	582	3	526
	Tolleson	15	1	5	9	1	12	5	0	0
	Wickenburg	42	0	15	27	0	20	6	0	2
	Youngtown	2	0	1	1	0	1	0	0	0
	State Rural Roads	1,370	49	569	752	54	1,027	263	28	282
	County Roads	2,327	69	1,361	897	76	2,304	502	38	575
	Totals	**42,444**	**364**	**19,351**	**22,729**	**396**	**30,145**	**6,892**	**170**	**6,329**
Mohave	Bullhead City	6	0	0	6	0	0	2	0	0
	Kingman	222	1	129	92	2	191	50	0	44
	Lake Havasu City	213	5	134	74	5	211	0	0	0
	State Rural Roads	708	19	309	380	20	555	157	11	146
	County Roads	254	5	105	144	5	169	95	1	101
	Totals	**1,403**	**30**	**677**	**696**	**32**	**1,126**	**304**	**12**	**291**
Navajo	Holbrook	61	1	17	43	1	28	13	1	8
	Show Low	49	0	22	27	0	42	5	0	5
	Snowflake	20	0	10	10	0	18	1	0	1
	Taylor	3	0	1	2	0	1	1	0	1
	Winslow	155	0	29	126	0	39	35	0	12
	State Rural Roads	384	24	131	229	27	261	59	3	68
	County Roads	119	9	38	72	10	61	26	2	17
	Totals	**791**	**34**	**248**	**509**	**38**	**450**	**140**	**6**	**112**
Pima	Ajo	19	0	4	15	0	5	9	0	2
	Marana	24	0	17	7	0	35	5	0	8
	Oro Valley	16	0	8	8	0	9	5	0	2
	South Tucson	266	2	88	176	2	127	42	0	29
	Tucson	11,196	80	4,138	6,978	84	6,226	1,515	27	1,228
	State Rural Roads	921	26	409	486	28	723	198	7	236
	County Roads	2,657	33	1,116	1,508	37	1,721	441	13	469
	Totals	**15,099**	**141**	**5,780**	**9,178**	**151**	**8,846**	**2,215**	**47**	**1,974**

Accidents, Deaths, and Injuries by Cities and Towns

Counties	Cities	Number of Accidents				Number of Persons		Alcohol Related		
		Total	Fatal	Injury	Property Damage	Total Killed	Total Injured	Total Acc.	Total Killed	Total Injured
Pinal	Apache Junction	207	2	97	108	2	187	31	0	31
	Casa Grande	172	3	84	85	3	144	40	1	38
	Coolidge	72	3	22	47	3	34	12	2	12
	Eloy	69	2	22	45	2	39	15	0	16
	Florence	34	0	9	25	0	13	7	0	3
	Kearney	19	0	7	12	0	9	6	0	7
	Mammoth	10	0	6	4	0	6	2	0	1
	San Manuel	9	0	3	6	0	4	1	0	0
	Superior	57	2	17	38	2	20	16	0	7
	State Rural Roads	764	28	316	420	34	528	213	7	186
	County Roads	383	14	173	196	15	291	93	6	81
	Totals	**1,796**	**54**	**756**	**986**	**61**	**1,275**	**436**	**16**	**382**
Santa Cruz	Nogales	227	2	131	94	2	194	49	1	38
	Patagonia	1	0	1	0	0	1	0	0	0
	State Rural Roads	95	0	46	49	0	70	29	0	34
	County Roads	42	0	21	21	0	32	8	0	7
	Totals	**365**	**2**	**199**	**164**	**2**	**297**	**86**	**1**	**79**
Yavapai	Ash Fork	1	0	0	1	0	0	1	0	0
	Bagdad	5	0	2	3	0	2	0	0	0
	Camp Verde	5	0	1	4	0	1	0	0	0
	Chino Valley	14	0	4	10	0	9	0	0	0
	Clarkdale	3	0	0	3	0	0	0	0	0
	Cottonwood	120	0	30	90	0	52	21	0	19
	Jerome	14	0	4	10	0	5	5	0	2
	Mayer	1	0	1	0	0	2	0	0	0
	Prescott	458	4	227	227	4	332	86	1	73
	Prescott Valley	26	1	14	11	2	22	4	0	3
	State Rural Roads	743	20	336	387	24	587	140	6	185
	County Roads	266	6	121	139	6	203	61	1	71
	Totals	**1,656**	**31**	**740**	**885**	**36**	**1,215**	**318**	**8**	**353**
Yuma	Parker	46	1	22	23	1	38	10	0	11
	San Luis	11	0	0	11	0	0	1	0	0
	Somerton	35	1	10	24	1	17	5	1	6
	Wellton	3	0	0	3	0	0	1	0	0
	Yuma	1,257	7	391	859	8	579	206	5	145
	State Rural Roads	684	24	283	377	26	494	172	9	148
	County Roads	334	11	153	170	12	242	71	1	74
	Totals	**2,370**	**44**	**859**	**1,467**	**48**	**1,370**	**466**	**16**	**384**
	GRAND TOTALS	**72,611**	**831**	**30,806**	**40,974**	**916**	**48,322**	**12,029**	**328**	**10,843**

Accidents, Deaths and Injuries by U.S. and State Highways, 1981

Legend

Type: I-Interstate S-State U-U.S. Highway **Prefix:** A-Alternate B-Business L-Loop X-Temporary S-Spur

Type	Prefix	Route	Number of Accidents				Number of Persons				
			Total	Fatal	Injury	Property Damage	Killed	Injured	Possible Injury	Non-Incap Injury	Incap Injury
I		8	258	13	103	142	13	184	51	94	39
S	B	8	73	—	29	44	—	53	14	30	9
I		10	1,961	52	664	1,245	58	1,161	351	522	288
S	B	10	44	3	19	22	3	32	9	18	5
I		15	33	—	14	19	—	26	9	13	4
I		17	2,893	18	854	2,021	22	1,331	523	599	209
I		19	191	3	86	102	3	122	45	51	26
I		40	908	21	334	553	22	576	132	304	140
S	B	40	1	—	1	—	—	1	—	1	—
U		60	967	26	405	536	28	740	209	335	196
S		61	24	2	12	10	4	21	5	10	6
S		63	82	1	25	56	1	44	30	9	5
S		64	79	1	30	48	1	57	13	27	17
U		66	55	—	27	28	—	36	8	21	7
S		67	17	1	5	11	1	14	7	3	4
S		68	48	4	25	19	4	38	12	13	13
S		69	116	2	50	64	3	108	24	55	29
U		70	135	3	63	69	5	114	30	46	38
S		71	4	—	1	3	—	1	1	—	—
S		72	18	1	6	11	1	10	1	7	2
S		73	7	3	3	1	4	7	1	3	3
S		74	13	—	8	5	—	12	2	5	5
S	X	74	2	1	1	—	1	4	1	3	—
S		75	14	—	8	6	—	13	9	3	1
S		76	19	1	7	11	1	13	4	8	1
S		77	162	4	82	76	4	143	32	81	30
S	Y	77	1	—	1	—	—	3	1	2	—
S		78	14	1	3	10	1	5	—	4	1
S		79	1	—	1	—	—	1	—	1	—
U		80	144	4	50	90	5	75	16	43	16
S		82	41	—	21	20	—	31	9	16	6
S		83	32	1	20	11	3	29	7	13	9
S		84	83	5	37	41	5	64	22	27	15
S		85	395	14	169	212	16	304	120	131	53
S	S	85	9	2	3	4	2	6	—	3	3
S		86	101	8	53	40	8	119	26	49	44
S		87	480	15	221	244	16	416	106	221	89
S		88	130	1	46	83	2	82	19	44	19
S	B	89	2	—	1	1	—	1	—	—	1
S	L	89	3	—	1	2	—	1	—	1	—
U		89	859	17	377	465	21	639	210	264	165
U	A	89	284	1	129	154	1	201	46	107	48
S		90	84	4	33	47	5	71	10	32	29
S		92	68	2	20	46	3	32	10	18	4
S		93	15	1	4	10	1	11	6	1	4
U		93	293	12	123	158	14	242	51	127	64
S		95	346	9	153	184	9	260	69	129	62
U		95	155	6	59	90	8	102	22	50	30
S		96	30	—	18	12	—	23	—	18	5
S		97	3	1	1	1	1	2	—	2	—

Legend

Type: I-Interstate S-State U-U.S. Highway **Prefix:** A-Alternate B-Business L-Loop X-Temporary S-Spur

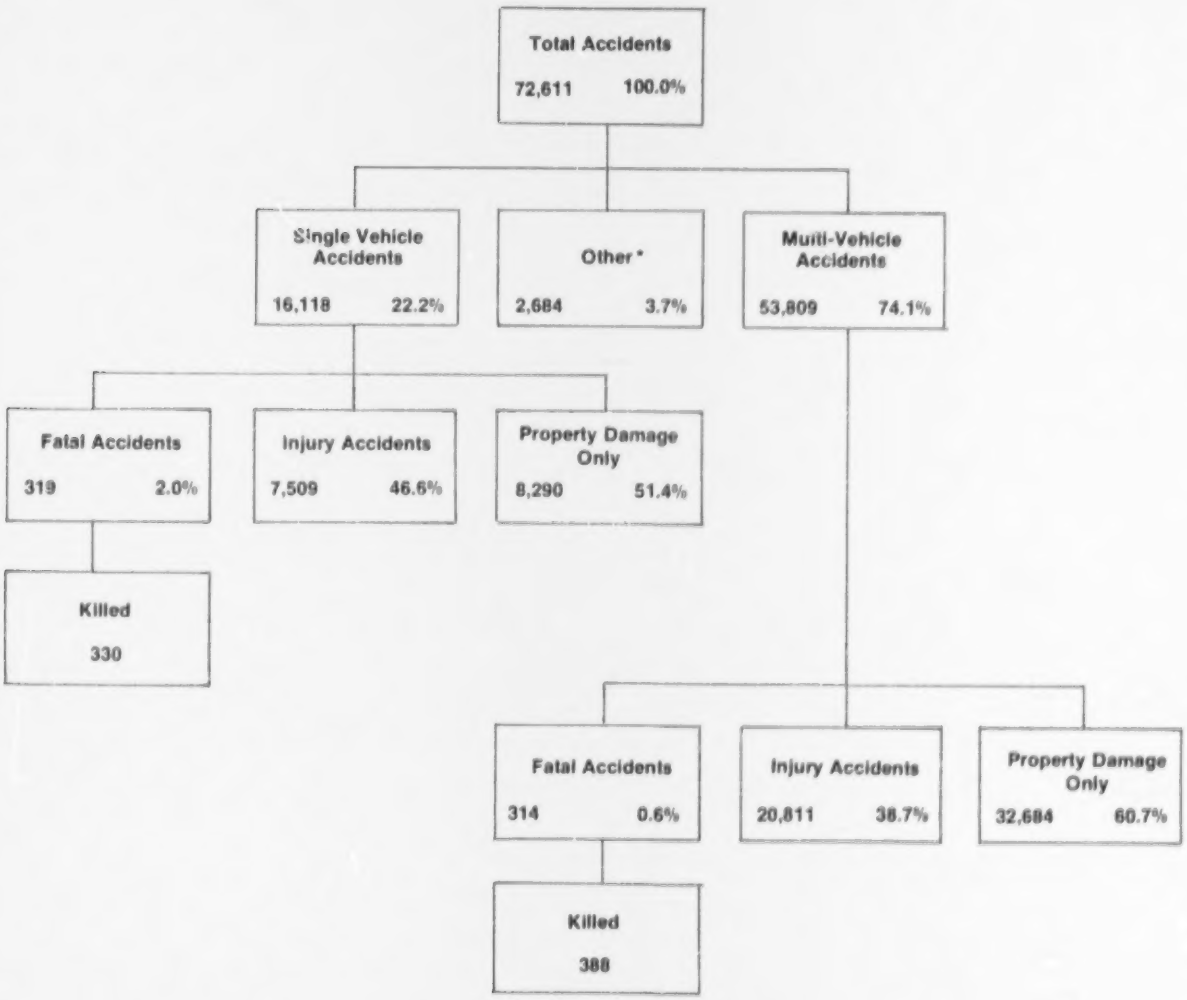
Type	Prefix	Route	Number of Accidents				Number of Persons				
			Total	Fatal	Injury	Property Damage	Killed	Injured	Possible Injury	Non-Incap Injury	Incap Injury
S		98	23	3	7	13	3	27	16	1	10
S		99	13	1	2	10	1	2	2	—	—
S		143	4	—	2	2	—	5	2	3	—
U		160	109	7	39	63	9	105	44	38	23
U		163	2	1	—	1	1	—	—	—	—
S		169	3	—	—	3	—	—	—	—	
S		170	1	—	—	1	—	—	—	—	—
S		177	59	4	27	28	4	36	9	18	9
S		179	48	—	21	27	—	28	8	20	—
S	A	180	1	—	—	1	—	—	—	—	—
U		180	135	3	51	81	3	89	25	48	16
S		181	2	—	2	—	—	2	2	—	—
S		186	5	—	—	5	—	—	—	—	—
S		187	2	—	—	2	—	—	—	—	—
S		188	33	2	16	15	2	26	10	8	8
S		189	7	—	5	2	—	6	3	2	1
U		191	1	—	—	1	—	—	—	—	—
S		260	341	13	128	200	13	237	79	109	49
S		264	108	6	41	59	12	85	67	11	7
S		266	2	—	—	2	—	—	—	—	—
S	S	266	1	—	1	—	—	1	1	—	—
S		273	5	1	1	3	1	2	—	2	—
S		277	10	—	4	6	—	7	2	2	3
S		279	14	—	7	7	—	12	3	4	5
S		280	2	—	1	1	—	1	—	1	—
S		286	4	—	3	1	—	7	6	—	1
S		287	40	—	16	24	—	21	4	12	5
S		288	16	1	8	7	1	17	1	9	7
S		289	1	—	1	—	—	1	—	1	—
S		360	335	—	92	243	—	128	64	52	12
S		366	11	—	7	4	—	9	1	8	—
S		373	6	—	3	3	—	5	—	3	2
S		377	11	—	2	9	—	3	—	2	1
S		386	1	—	1	—	—	1	—	—	1
S		389	4	—	1	3	—	2	—	2	—
S		473	4	—	1	3	—	2	—	—	2
S		504	7	—	2	5	—	4	1	3	—
U		666	142	2	65	75	2	99	15	54	30
U	X	666	38	—	10	28	—	12	4	6	2
U	Y	666	1	1	—	—	1	—	—	—	—
Totals			**13,249**	**311**	**4,973**	**7,965**	**353**	**8,563**	**2,642**	**3,983**	**1,938**

Accident Rates on the State Highway System Averaged Over 1979-1981 (Accidents Per Million Vehicle Miles of Travel)

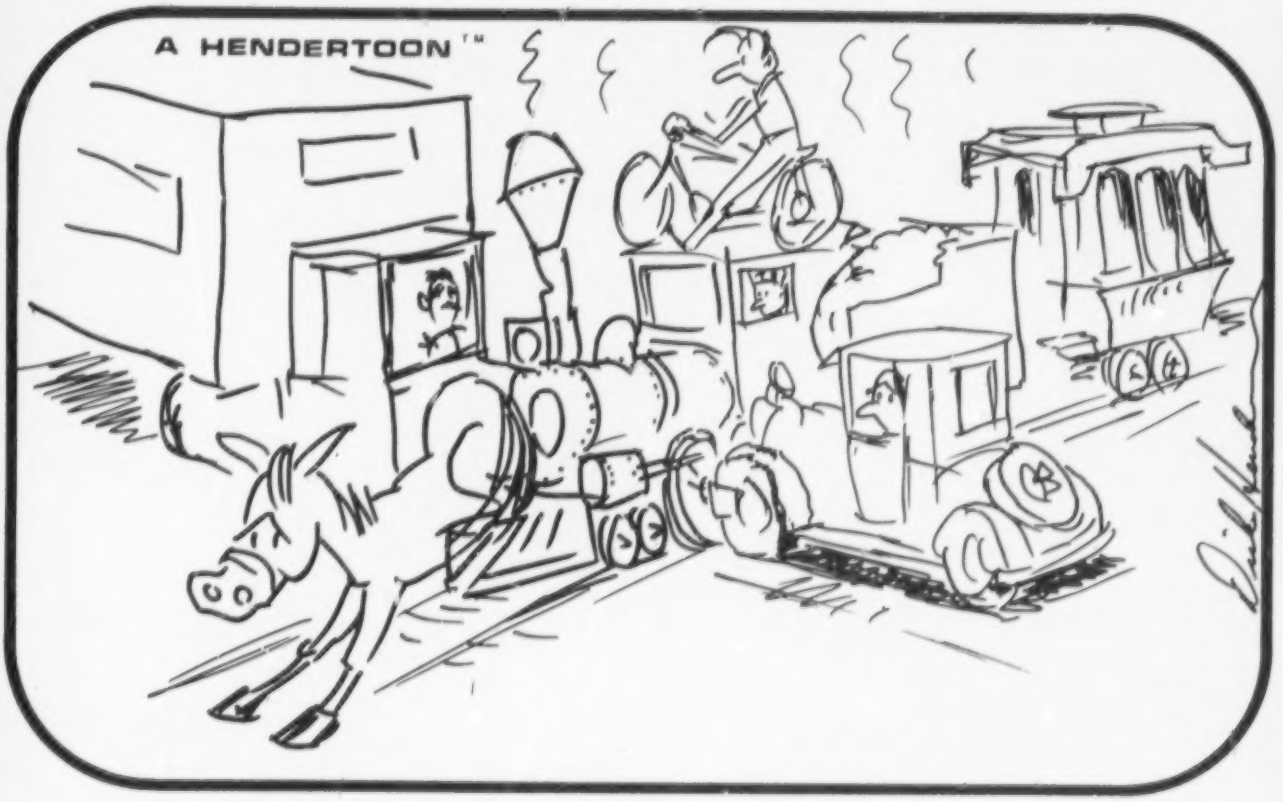
Urban		Rural	
2 Lane	2.23	2 Lane	1.42
4 Lane	2.91	4 Lane	1.08
4 Lane Divided	2.50	4 Lane Divided	1.79
Freeway	1.72	Freeway	0.85
All Road Categories	**1.31**		

1982
STATE HIGHWAY SYSTEM
OF
ARIZONA
AS OF JANUARY 1, 1982
SCALE-MILES
LEGEND
STATE HIGHWAYS
SURVEY ONLY (APPROX. ALIGNMENT)
* NUMBERS TEMPORARILY ASSIGNED
MOHAVE
COCONINO
NAVAJO
APACHE
YAVAPAI
YUMA
MARICOPA
PINAL
GILA
GRAHAM
GREENLEE
PIMA
COCHISE
SANTA CRUZ
COLORADO CITY
FREDONIA
PAGE
LITTLEFIELD
MARBLE CANYON
JACOB LAKE
KAYENTA
TEEC NOS POS
ROUND ROCK
TONALEA
NORTH RIM
TUBA CITY
MOENKOPI
CHINLE
HOOVER DAM
GRAND CANYON
CAMERON
KEAMS CANYON
ORAIBI
SECOND MESA
GANADO
GRAY MOUNTAIN
VALLE
PEACH SPRINGS
SERA DELKAI
WIDE RUINS
LUPTON
SELIGMAN
LEUPP
KINGMAN
ASH FORK
WILLIAMS
FLAGSTAFF
SANDERS
WINSLOW
JOSEPH CITY
HOLBROOK
YUCCA
CLARKDALE
JEROME
COTTONWOOD
SEDONA
TOPOCK
CHINO VALLEY
WIKIEUP
BAGDAD
PRESCOTT
CAMP VERDE
CLINTS WELL
HEBER
SNOWFLAKE
TAYLOR
ST JOHNS
LAKE HAVASU CITY
DEWEY
HILLSIDE
MAYER
CORDES JCT
PINE
OVERGAARD
CONCHO
PINEDALE
SHOW LOW
YARNELL
PAYSON
PARKER
CONGRESS
BLACK CANYON CITY
JAKES CORNER
YOUNG
CARRIZO
INDIAN PINE
SPRINGERVILLE
EAGAR
GREER
BOUSE
WICKENBURG
AGUILA
NEW RIVER
WHITERIVER
ALPINE
MORRISTOWN
SALOME
QUARTZSITE
HOPE
ROOSEVELT
SENECA
SCOTTSDALE
TEMPE
GLENDALE
AVONDALE
GOODYEAR
SAHRENBERG
TONOPAH
MESA
APACHE JCT
MIAMI
SAN CARLOS
BUCKEYE
SUPERIOR
GLOBE
CHANDLER
FLORENCE JCT
MORENCI
CLIFTON
FLORENCE
KEARNEY
WINKELMAN
GILA BEND
COOLIDGE
PIMA
THATCHER
SAFFORD
SENTINEL
CASA GRANDE
ELOY
PICACHO
MAMMOTH
FORT GRANT
BONITA
DUNCAN
YUMA
WELLTON
MOHAWK
SAN MANUEL
SOMERTON
SAN LUIS
ORACLE JCT
ORACLE
MARANA
AJO
WHY
TUCSON
WILLCOX
BOWIE
SAN SIMON
DOS CABEZAS
COCHISE
OUIJOTOA
ROBLES RANCH
BENSON
ST DAVID
PEARCE
LUKEVILLE
SELLS
TOMBSTONE
SONOITA
MCNEAL
TUBAC
PATAGONIA
SIERRA VISTA
BISBEE
DOUGLAS
SASABE

Accident Description



*Other-Pedestrian/Pedalcyclist Accidents



"DEFENSIVE DRIVING PAYS."

Type of Accident
(By First Harmful Event)

STATEWIDE	Total				On Roadway				Off Roadway			
	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.
Overturning	2,780	134	1,600	1,046	737	24	401	312	2,043	110	1,199	734
Other Non-Collision	2,707	43	1,418	1,246	1,967	30	1,050	887	740	13	368	359
Pedestrian	1,325	183	1,142	0	1,268	176	1,092	0	57	7	50	0
Motor Vehicle in Transport	49,672	295	20,462	28,915	49,350	292	20,341	28,717	322	3	121	198
Motor Vehicle on Other Roadway	1	0	1	0	1	0	1	0	0	0	0	0
Parked Motor Vehicle	4,025	13	803	3,209	3,707	9	706	2,992	318	4	97	217
Railway Train	34	2	13	19	33	2	13	18	1	0	0	1
Pedalcyclist	1,359	15	1,344	0	1,301	15	1,286	0	58	0	58	0
Animal	762	3	119	640	753	2	118	633	9	1	1	7
Fixed Object	9,226	141	3,792	5,293	1,372	6	438	928	7,854	135	3,354	4,365
Other Object	720	2	112	606	670	1	99	570	50	1	13	36
Totals	**72,611**	**831**	**30,806**	**40,974**	**61,159**	**557**	**25,545**	**35,057**	**11,452**	**274**	**5,261**	**5,917**

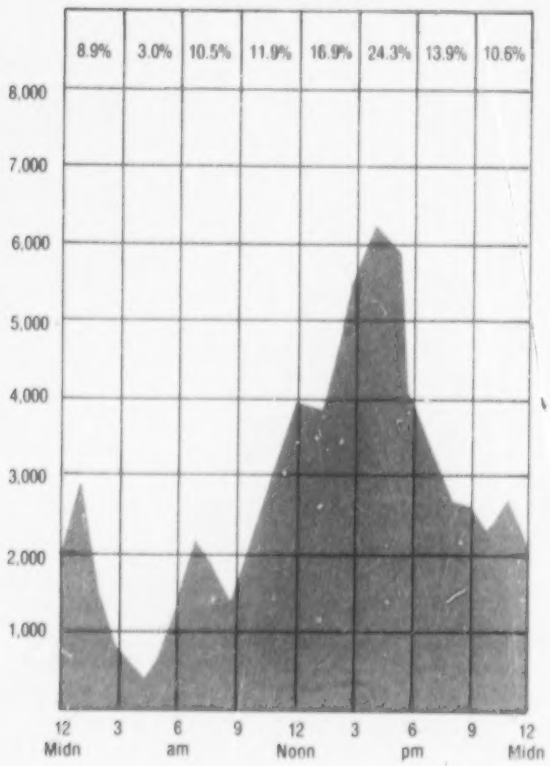
URBAN	Total				On Roadway				Off Roadway			
	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.
Overturning	512	16	318	178	243	6	146	91	269	10	172	87
Other Non-Collision	1,248	14	767	467	1,096	12	676	408	152	2	91	59
Pedestrian	1,090	120	970	0	1,045	117	928	0	45	3	42	0
Motor Vehicle in Transport	42,537	155	17,490	24,892	42,250	155	17,384	24,711	287	0	106	181
Motor Vehicle on Other Roadway	1	0	1	0	1	0	1	0	0	0	0	0
Parked Motor Vehicle	3,458	6	681	2,771	3,233	5	615	2,613	225	1	66	158
Railway Train	26	0	10	16	25	0	10	15	1	0	0	1
Pedalcyclist	1,246	10	1,236	0	1,189	10	1,179	0	57	0	57	0
Animal	78	0	40	38	76	0	40	36	2	0	0	2
Fixed Object	5,319	52	2,027	3,240	1,031	3	327	701	4,288	49	1,700	2,539
Other Object	454	2	70	382	419	1	65	353	35	1	5	29
Totals	**55,969**	**375**	**23,610**	**31,984**	**50,608**	**309**	**21,371**	**28,928**	**5,361**	**66**	**2,239**	**3,056**

RURAL	Total				On Roadway				Off Roadway			
	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.	Total	Fatal	Injury	Prop'ty Dam.
Overturning	2,268	118	1,282	868	494	18	255	221	1,774	100	1,027	647
Other Non-Collision	1,459	29	651	779	871	18	374	479	588	11	277	300
Pedestrian	235	63	172	0	223	59	164	0	12	4	8	0
Motor Vehicle in Transport	7,135	140	2,972	4,023	7,100	137	2,957	4,006	35	3	15	17
Motor Vehicle on Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0
Parked Motor Vehicle	567	7	122	438	474	4	91	379	93	3	31	59
Railway Train	8	2	3	3	8	2	3	3	0	0	0	0
Pedalcyclist	113	5	108	0	112	5	107	0	1	0	1	0
Animal	684	3	79	602	677	2	78	597	7	1	1	5
Fixed Object	3,907	89	1,765	2,053	341	3	111	227	3,566	86	1,654	1,826
Other Object	266	0	42	224	251	0	34	217	15	0	8	7
Totals	**16,642**	**456**	**7,196**	**8,990**	**10,551**	**248**	**4,174**	**6,129**	**6,091**	**208**	**3,022**	**2,861**

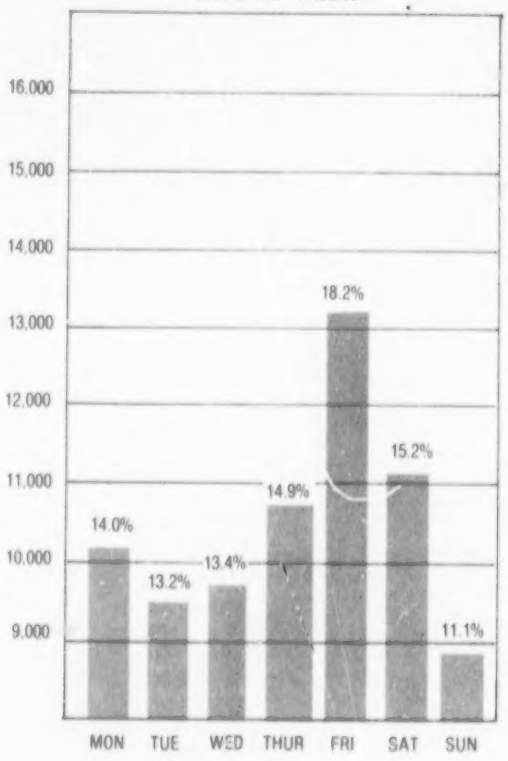
1981 Total Accidents

Time of Day — Day of Week — Monthly

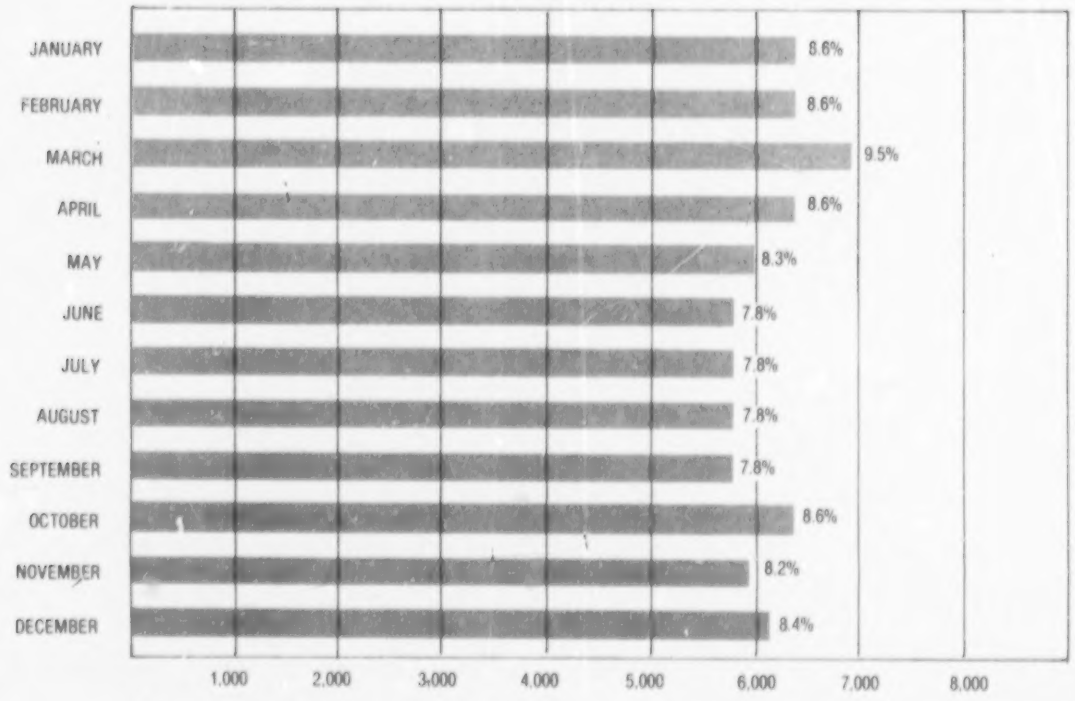
TIME OF DAY



DAY OF WEEK



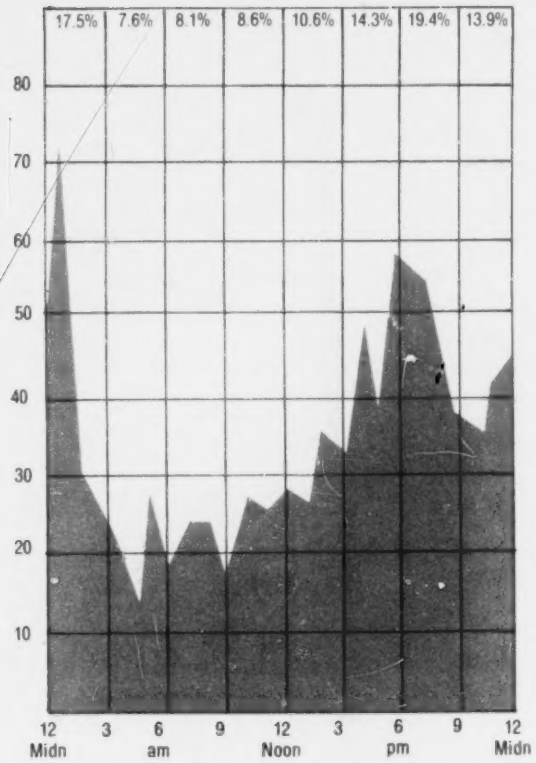
MONTHLY



1981 Fatal Accidents

Time of Day — Day of Week — Monthly

TIME OF DAY



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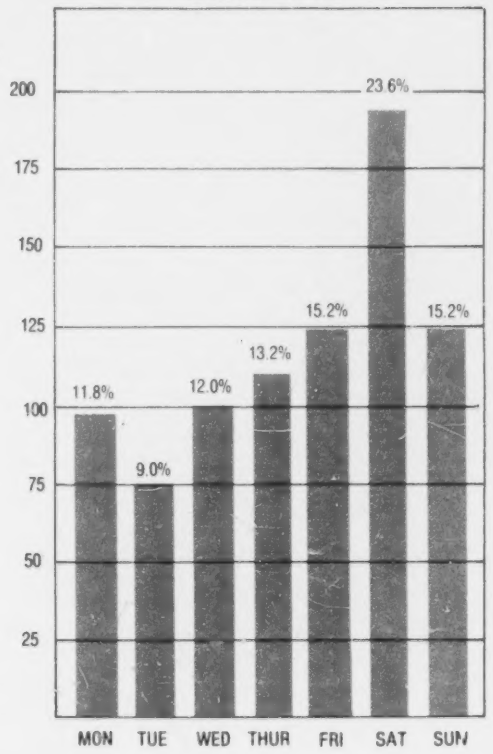
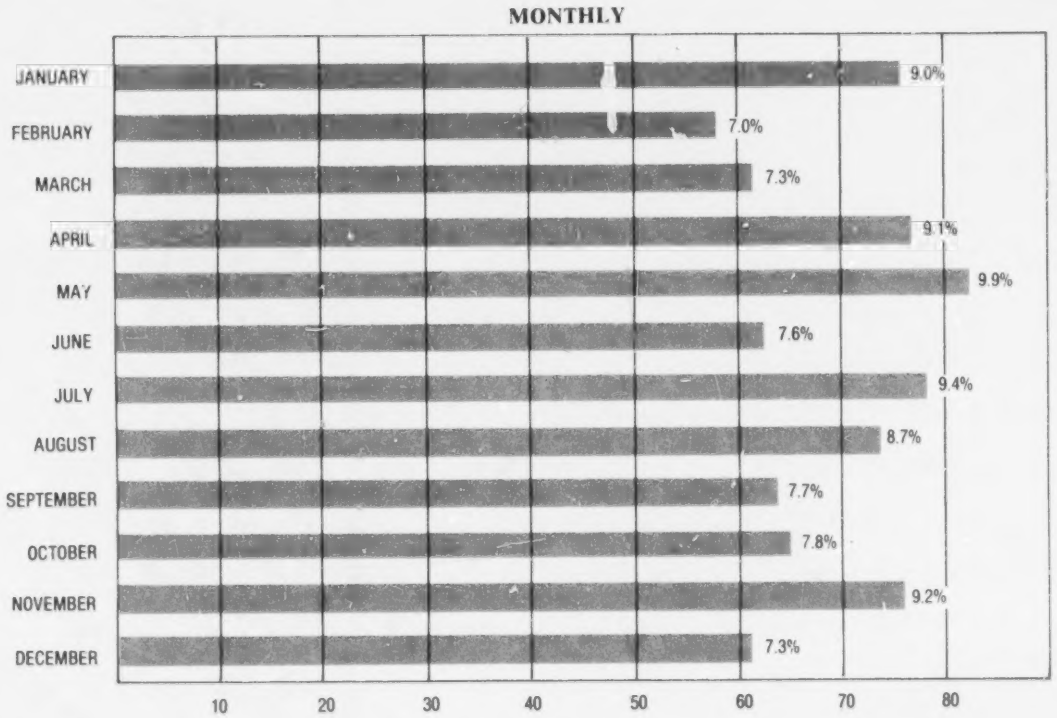


MONTHLY



Multi-Vehicle Accident

SEVERITY	Total	Head-on	Rear-end	Sideswipe Meeting	Sideswipe Passing	Left Turn	Other Angle	Backed Into	Other Vehicle
All Accidents	54,580	958	19,440	1,053	4,056	7,469	12,803	1,776	7,025
Fatal Accidents	332	64	39	18	10	48	88	3	62
Injury Accidents	21,603	469	8,351	289	745	3,845	5,800	121	1,983

Number of Vehicles Involved

VEHICLES	Number	Percent
1	15,250	11.4
2	98,320	73.7
3	13,761	10.3
4+	3,242	2.4
Single Vehicle With Pedestrian or Pedalcyclist	2,844	2.2
Totals	**133,417**	**100.0%**

Vehicle Mix in Two-Vehicle Accidents

Vehicle Type	Passenger Car	Pick Up/Van	Truck	Bus	Motorcycle	Other Vehicle
Passenger Car	75 23,315	64 13,749	22 901	2 295	30 1,898	16 2,348
Pick Up/Van		11 2,383	13 332	2 78	21 517	7 780
Truck			3 83	0 11	3 17	1 64
Bus				1 11	0 5	0 16
Motorcycle					1 41	4 82
Other Vehicle						2 105

LEGEND: Fatal Accidents / Total Accidents

Hit and Run Accidents

HIT & RUN DRIVER INVOLVED	Number of Accidents				Total Killed	Total Injured
	Total	Fatal	Injury	Property Damage		
Yes	5,929	29	1,471	4,429	32	2,016
No	66,682	802	29,335	36,545	884	46,306
Totals	**77,611**	**831**	**30,806**	**40,974**	**916**	**48,322**

Climatic Conditions

LIGHT CONDITION	Number of Accidents			
	Total	Fatal	Injury	Property Damage
Daylight	45,983	344	18,848	26,791
Dawn or Dusk	3,187	44	1,374	1,769
Darkness	23,220	437	10,531	12,252
Not Stated	221	6	53	162
Totals	**72,611**	**831**	**30,806**	**40,974**

- *63% of all accidents happened during the day, however 53% of the fatal accidents occurred at night.*

WEATHER CONDITION	Number of Accidents				Number of Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Clear	59,809	694	25,505	33,610	762	39,944
Raining	3,370	26	1,324	2,020	27	2,138
Cloudy	8,061	77	3,528	4,456	86	5,467
Snowing	420	1	101	318	1	185
Strong Wind	369	6	157	206	6	270
Dust	74	1	38	35	1	65
Fog	33	0	10	23	0	16
Not Stated	475	26	143	306	33	237
Totals	**72,611**	**831**	**30,806**	**40,974**	**916**	**48,322**

- *82% of the accidents took place in clear weather.*
- *89% occurred on dry pavement.*

SURFACE CONDITION	Number of Accidents			
	Total	Fatal	Injury	Property Damage
Dry	64,373	752	27,552	36,069
Wet	4,719	42	1,894	2,783
Snowy or Icy	639	3	146	490
Other	2,880	34	1,214	1,632
Totals	**72,611**	**831**	**30,806**	**40,974**

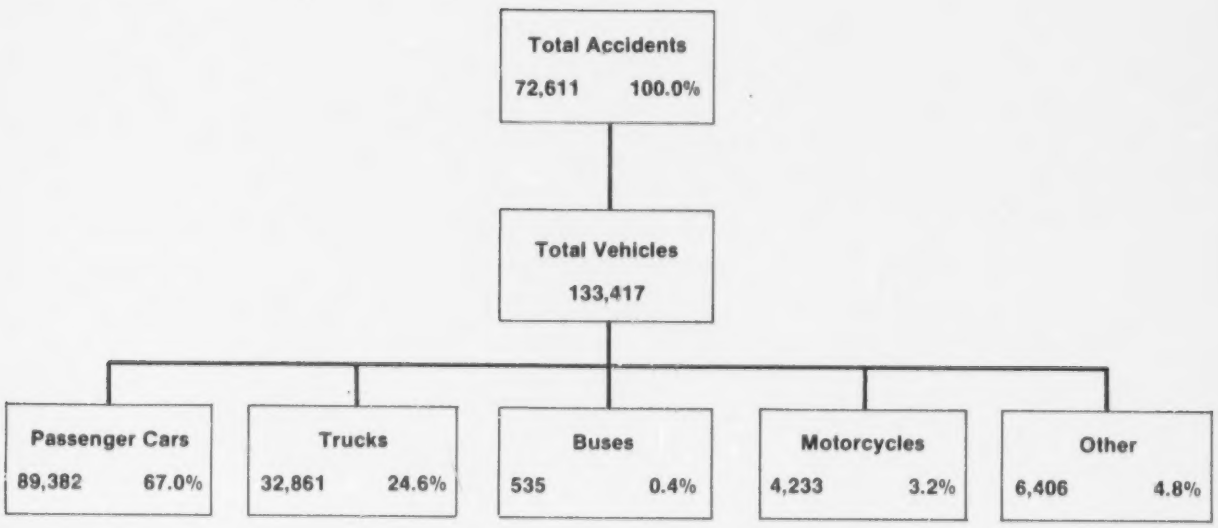
Road Characteristics

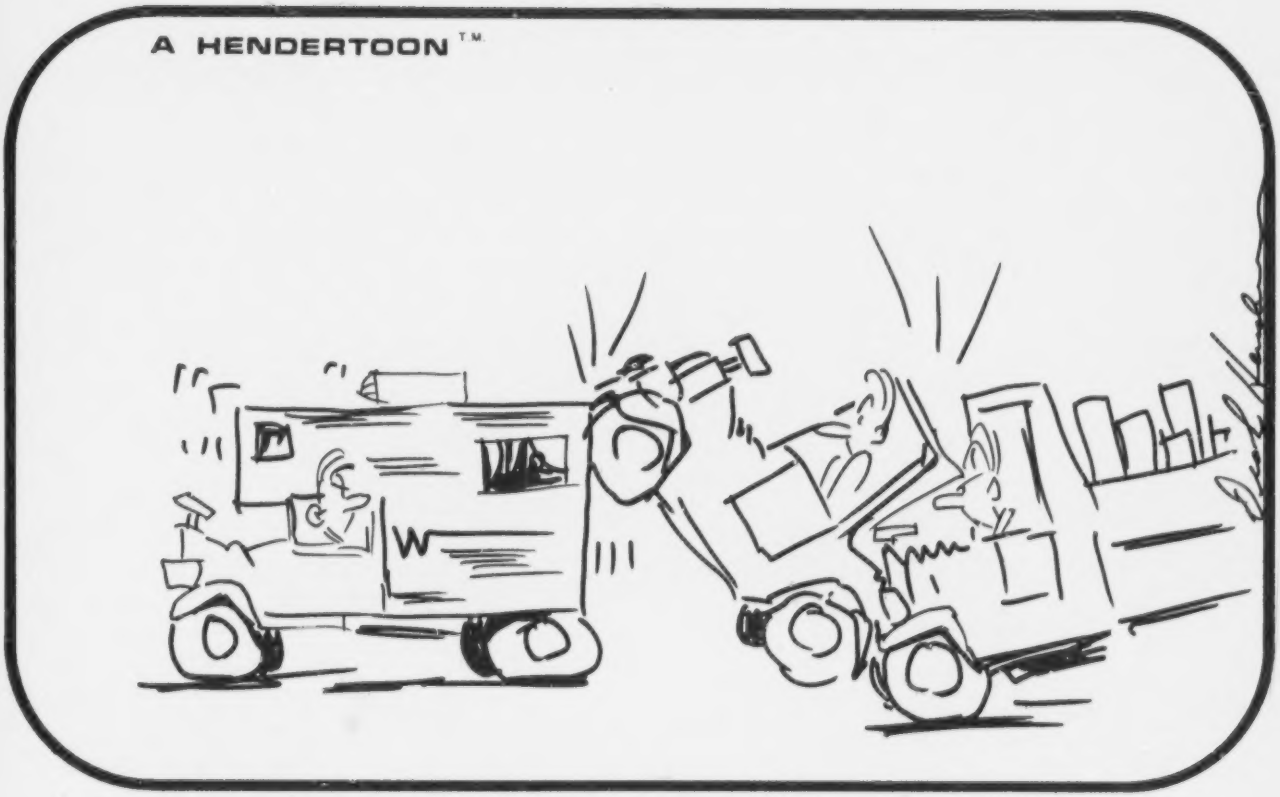
SURFACE TYPE	Number of Accidents				Number of Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Asphalt	67,503	767	29,079	37,657	844	45,691
Concrete	2,715	13	803	1,899	13	1,184
Gravel	506	4	197	305	4	280
Dirt	1,406	24	554	828	24	903
Other	35	0	15	20	0	17
Not Stated	446	23	158	265	31	247
Totals	**72,611**	**831**	**30,806**	**40,974**	**916**	**48,322**

GRADE	Number of Accidents				Number of Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Level	63,954	628	27,200	36,126	681	42,506
Downgrade	4,436	100	1,924	2,412	119	3,126
Upgrade	2,643	63	1,082	1,498	70	1,765
Hillcrest	315	5	143	167	5	250
Dip	203	6	102	95	6	158
Not Reported	1,060	29	355	676	35	517
Totals	**72,611**	**831**	**30,806**	**40,974**	**916**	**48,322**

UNUSUAL ROAD CONDITION	Number of Accidents				Number of Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
No Unusual Condition	69,248	776	29,450	39,022	861	46,168
Under Construction - Thru Traffic Allowed	1,429	26	539	864	26	870
Under Construction - Traffic Detoured	37	0	15	22	0	18
Under Repairs	146	0	65	81	0	108
Holes, Ruts, Bumps	767	16	334	417	16	526
Obstruction - Protected	46	1	20	25	1	28
Obstruction - Unprotected	84	1	35	48	1	55
Obstruction - Unlighted at Night	34	1	14	19	1	20
Defective Shoulders	86	3	39	44	3	67
Changing Road Width	399	7	158	234	7	258
Flooded	148	0	63	85	0	93
Temporary Lane Closure	187	0	74	113	0	111
Totals	**72,611**	**831**	**30,806**	**40,974**	**916**	**48,322**

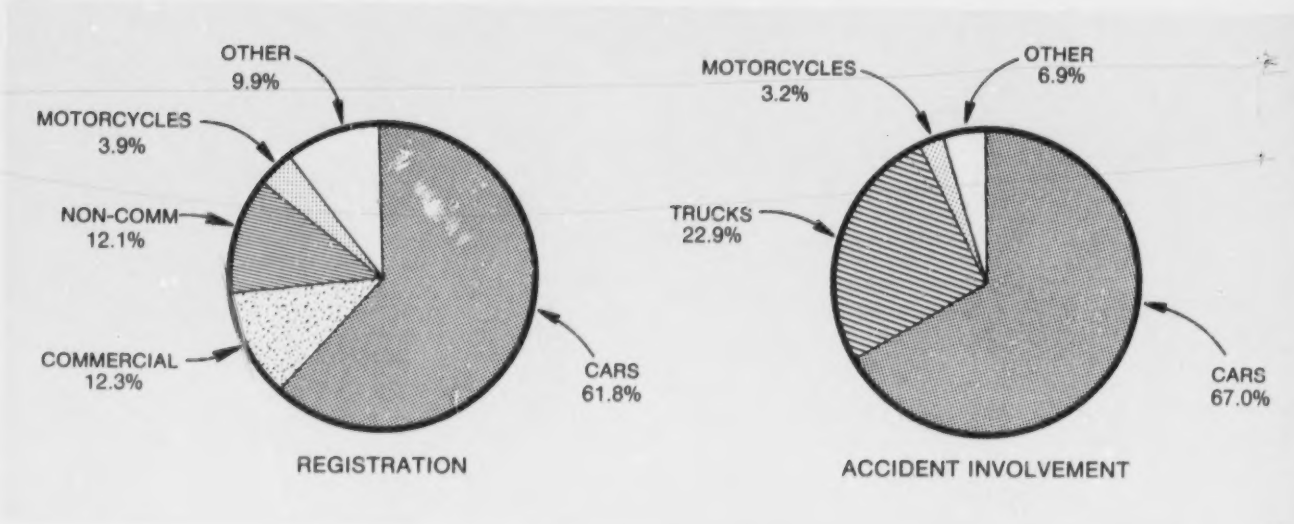
Motor Vehicle and Driver Characteristics





"ALLOW BRAKING DISTANCE - FOLLOWING TOO CLOSE CAN CAUSE ACCIDENTS"

Motor Vehicle Registration and Accident Involvement



Number of Motor Vehicles in Accidents

TYPE OF MOTOR VEHICLE	All Accidents		Fatal Accidents	Non-Fatal Injury Accidents	Property Damage
	Number	%			
Passenger Car	89,002	66.71	628	38,131	50,243
Pasenger Car and Trailer	380	.28	0	0	380
Pick Up Truck (Incl. Panel & Mini Bus)	25,981	19.47	290	10,166	15,525
Pick Up Truck with Camper	2,256	1.69	22	929	1,305
Truck or Truck Tractor (Excl. P/U)	394	.30	8	118	268
Truck Tractor and Semi-Trailer	1,925	1.44	65	585	1,275
Other Truck Combination	2,305	1.73	19	749	1,537
Farm Tractor and/or Farm Equipment	28	.02	0	10	18
Taxicab	239	.18	2	106	131
Bus	535	.40	8	177	350
Motorcycle	4,233	3.17	119	3,679	435
Motor scooter, Motor bicycle	21	.02	0	19	2
Moped	121	.09	0	113	8
Recreational Vehicle	1,804	1.35	45	820	939
Motor Home	275	.21	3	76	196
Emergency Vehicle (Inc. Privately Owned)	108	.08	1	40	67
Other Type Vehicle	107	.08	0	41	66
Vehicle Type Not Stated	3,703	2.78	33	379	3,291
Totals	**133,417**	**100.0%**	**1,243**	**56,138**	**76,036**

1981 Motor Vehicle Registration

Passenger Car	1,349,122
Commercial Vehicles	267,677
Non-Commercial (Pick Ups, Etc.)	265,153
Motorcycles	86,216
Other	215,186
Totals	**2,183,354**

Licensed Drivers in Arizona 1981

Age Group	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Cumulative Percent
15-16	14,708	1.3	12,713	1.3	27,421	1.3	1.3
17	19,341	1.7	16,468	1.7	35,809	1.7	3.0
18-19	50,719	4.4	42,688	4.4	93,407	4.4	7.4
20-24	168,048	14.7	138,033	14.2	306,081	14.5	21.9
25-34	319,193	27.8	256,521	26.5	575,714	27.2	49.1
35-44	193,820	16.9	164,856	17.0	358,676	16.9	66.0
45-54	138,831	12.1	118,795	12.3	257,626	12.2	78.2
55-64	121,991	10.6	114,552	11.8	236,543	11.2	89.4
65 and Over	120,159	10.5	104, 681	10.8	224,840	10.6	100.0
Total	**1,146,810**	**100.0%**	**969,307**	**100.0%**	**2,116,117**	**100.0%**	**100.0%**

- *There was only a 3% increase in the number of licensed drivers from 1980 to 1981.*

Driver Errors Causing Accidents

Contributing Circumstances	Involved in All Accidents		Involved in Fatal Accidents		Involved in Injury Accidents	
	Number	Percent	Number	Percent	Number	Percent
Exceeding Lawful Speed Limit	679	.5	24	1.9	327	.6
Speed Too Fast for Conditions	19,287	14.5	169	13.6	8,469	15.1
Failed to Yield Right of Way	15,219	11.4	76	6.1	6,785	12.1
Passed Stop Sign	799	.6	11	.9	427	.8
Disregarded Traffic Signal	2,579	1.9	12	.9	1,366	2.4
Drove Left of Center	949	.7	32	2.6	358	.6
Followed Too Closely	1,243	.9	0	0.0	424	.7
Made Improper Turn	2,194	1.6	6	0.5	579	1.0
Driver Inattention	57	.1	1	.1	26	.1
Had Been Drinking	12,437	9.3	315	25.4	6,590	11.7
Other Improper Driving	4,516	3.4	22	1.8	1,319	2.4
Inadequate Brakes	235	.2	2	.1	96	.2
Defective Tires	324	.3	9	.7	132	.2
Other Mechanical Defect	798	.6	5	.4	200	.4
Other — Not Involving Driver Error	375	.3	5	.4	187	.3
No Improper Driving	53,365	40.0	345	27.8	23,136	41.2
Not Stated	18,361	13.7	209	16.8	5,717	10.2
Totals	**133,417**	**100.0%**	**1,243**	**100.0%**	**56,138**	**100.0%**

Driver Characteristics

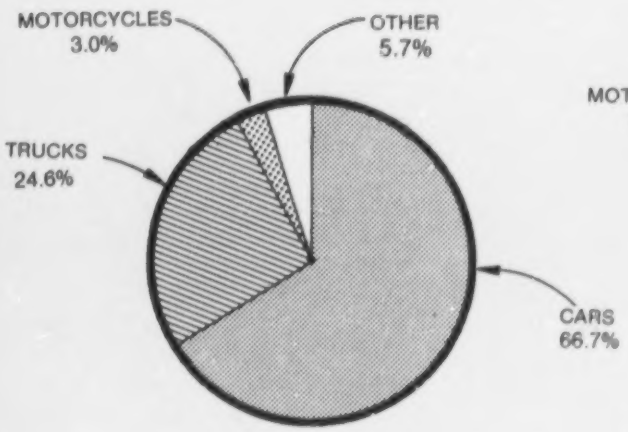
AGE GROUP	Involved in All Accidents		Involved in Fatal Accidents		Involved in Non-Fatal Accidents	
	Number	Percent	Number	Percent	Number	Percent
15 & Younger	640	.5	5	.4	305	.6
16	3,100	2.3	20	1.6	1,353	2.4
17	4,435	3.3	29	2.3	1,928	3.4
18-19	11,578	8.7	99	7.9	5,078	9.1
20-24	25,321	19.0	246	19.8	11,055	19.7
25-34	33,275	24.9	336	27.0	14,652	26.1
35-44	16,483	12.3	145	11.7	7,012	12.5
45-54	11,166	8.4	114	9.2	4,759	8.4
55-64	8,668	6.5	71	5.7	3,779	6.7
65-74	5,661	4.3	57	4.6	2,474	4.4
75 & Older	2,399	1.8	38	3.1	1,018	1.8
Not Reported	10,691	8.0	83	6.7	2,725	4.9
Totals	**133,417**	**100.0%**	**1,243**	**100.0%**	**56,138**	**100.0%**

SEX OF DRIVER	All Accidents		Fatal Accidents		Non-Fatal Injury Accidents	
	Number	Percent	Number	Percent	Number	Percent
Male	83,505	62.6	934	75.1	35,633	63.5
Female	40,714	30.5	236	19.0	18,331	32.7
Not Reported	9,198	6.9	73	5.9	2,174	3.8
Totals	**133,417**	**100.0%**	**1,243**	**100.0%**	**56,138**	**100.0%**

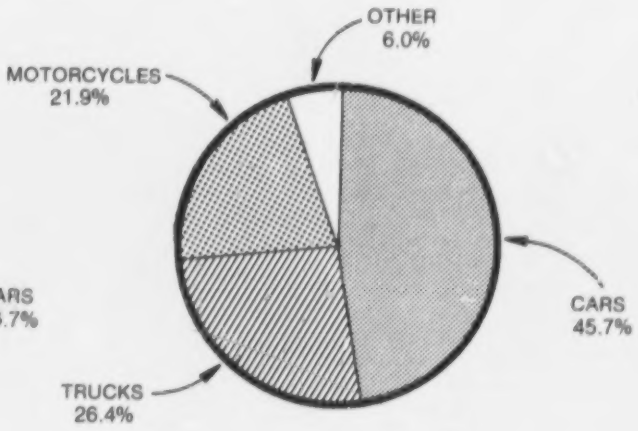
RESIDENCE OF DRIVERS	All Accidents		Fatal Accidents		Non-Fatal Injury Accidents	
	Number	Percent	Number	Percent	Number	Percent
Arizona Resident	105,644	79.2	930	74.8	46,564	83.0
Non-Resident	12,283	9.2	161	13.0	5,188	9.2
Not Reported	15,490	11.6	152	12.2	4,386	7.8
Totals	**133,417**	**100.0%**	**1,243**	**100.0%**	**56,138**	**100.0%**

Drivers Killed and Injured

TYPE OF MOTOR VEHICLE	Number of Drivers	
	Total Killed	Total Injured
Passenger Car	211	19,265
Passenger Car and Trailer	0	55
Pick Up Truck (Incl. Panel & Mini Bus)	94	4,502
Pick Up Truck with Camper	6	396
Truck or Truck Tractor (Excl. P/U)	2	51
Truck Tractor and Semi Trailer	15	238
Other Truck Combination	5	193
Farm Tractor and/or Farm Equipment	0	4
Taxicab	1	54
Bus	1	31
Motorcycle	101	3,534
Motor Scooter, Motor Bicycle	0	17
Moped	0	113
Recreational Vehicle	21	421
Motor Home	1	22
Emergency Vehicle	0	22
Other Type of Vehicle	0	18
Vehicle Type Not Stated	4	24
Totals	**462**	**28,960**

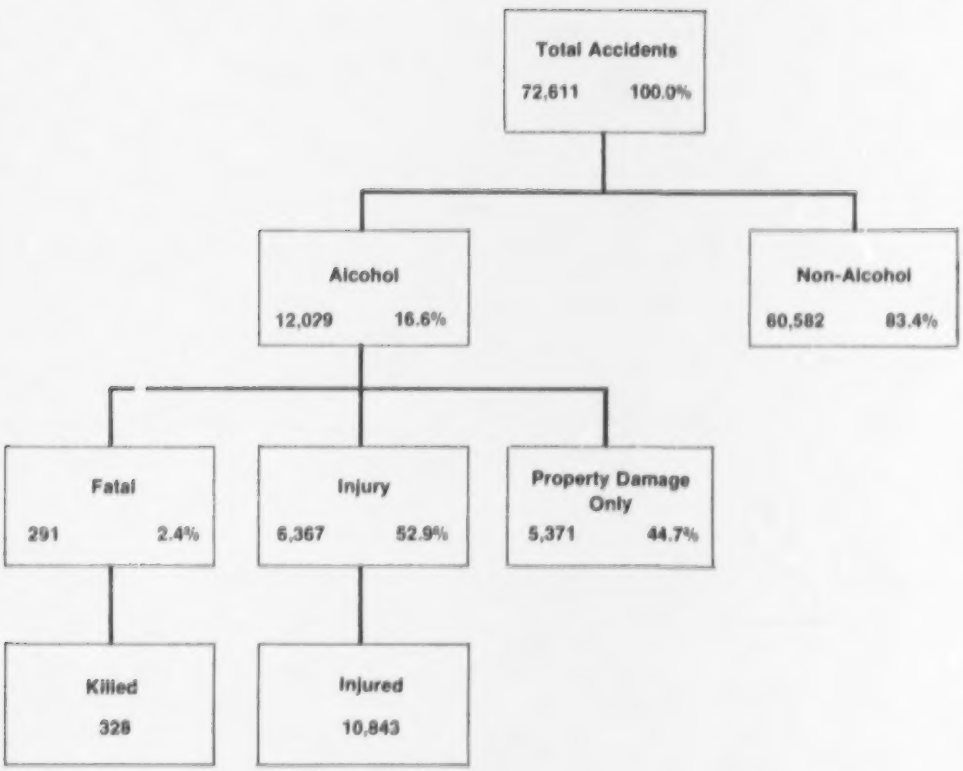


ACCIDENT INVOLVEMENT



DRIVERS KILLED

Alcohol-Related Accidents



A HENDERTOON ™

"I HARDLY SHPILLED A DROP."

Alcohol Related Accidents and Fatalities 1976-1981

YEAR	Total Alcohol Related Accidents	Percent of All Accidents	Persons Killed	Percent of All Killed
1976	9,168	13.4%	219	29.7%
1977	10,667	14.1%	290	31.1%
1978	12,103	13.8%	390	36.0%
1979	12,877	14.6%	376	36.5%
1980	12,570	15.7%	347	36.6%
1981	12,029	16.6%	328	35.8%

1981 Alcohol Related Accidents

TYPE OF MOTOR VEHICLE ACCIDENT	Total	Fatal	Non-Fatal Injury	Property Damage
Overturning	732	53	504	175
Other Non-Collision	430	13	301	116
Pedestrian	151	41	110	0
Motor Vehicle in Transport	6,222	113	3,338	2,771
Parked Motor Vehicle	1,031	8	376	647
Railway Train	7	0	5	2
Pedalcyclist	36	4	32	0
Animal	26	0	11	15
Fixed Object	3,337	57	1,667	1,613
Other Object	57	2	23	32
Not Stated	0	0	0	0
Totals	**12,029**	**291**	**6,367**	**5,371**

ROAD SURFACE CONDITION	Number of Accidents	Number of Fatal Accidents	Number of Non-Fatal Injury Accidents
Dry	10,859	267	5,746
Wet	603	10	332
Snowy or Icy	37	0	12
Other	530	14	277
Not Stated	0	0	0
Totals	**12,029**	**291**	**6,367**

Drinking Drivers Involved in Accidents

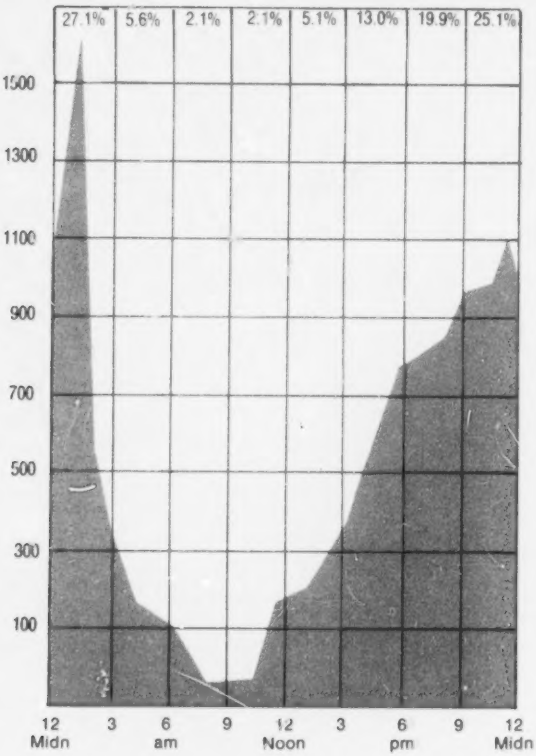
- *In the 12,029 accidents involving alcohol, 12,437 drivers had been drinking.*

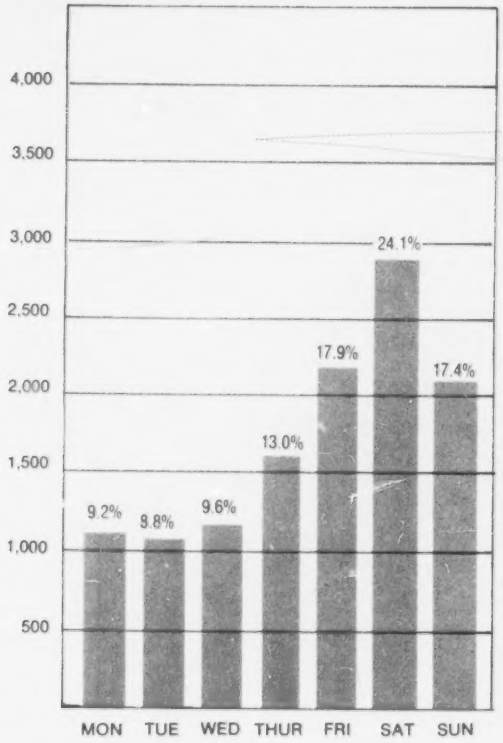
AGE OF DRIVER	Number of Drivers	Percent of Total	Number of of Drivers in Fatal Accidents	Number of Drivers in Nonfatal Injury Accidents
15 & Younger	45	.3	2	22
16	154	1.2	1	70
17	307	2.5	5	163
18-19	1,227	9.9	29	663
20-24	3,238	26.1	89	1,709
25-34	3,870	31.1	100	2,170
35-44	1,625	13.1	38	855
45-54	954	7.7	26	489
55-64	513	4.1	13	244
65-74	206	1.6	8	96
75 & Older	29	.2	2	14
Not Stated	269	2.2	2	95
Totals	**12,437**	**100.0%**	**315**	**6,590**

- *83% of the drinking drivers were male*

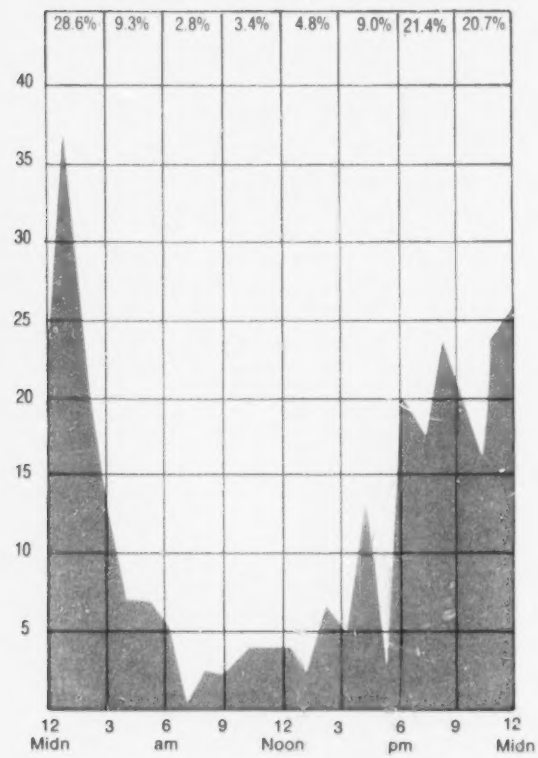
SEX OF DRIVER	Number of Drivers	Number of Drivers in Fatal Accidents	Number of Drivers in Nonfatal Injury Accidents
Male	10,377	278	5,484
Female	1,925	37	1,062
Not State	135	0	44
Totals	**12,437**	**315**	**6,590**

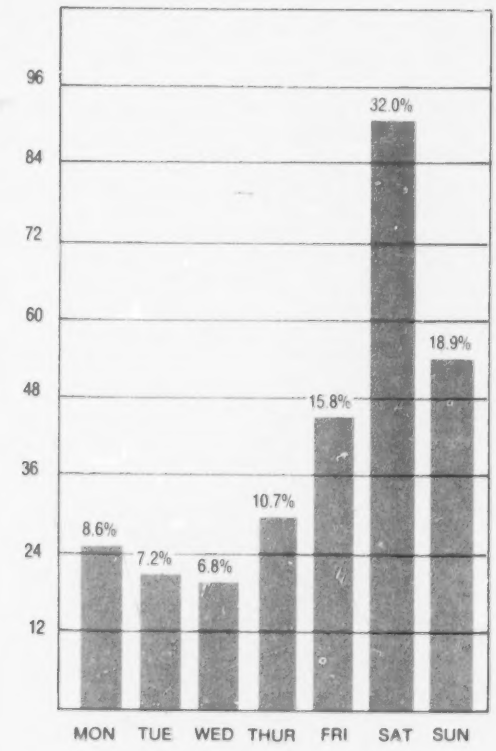
Total Accidents Involving Drinking Drivers





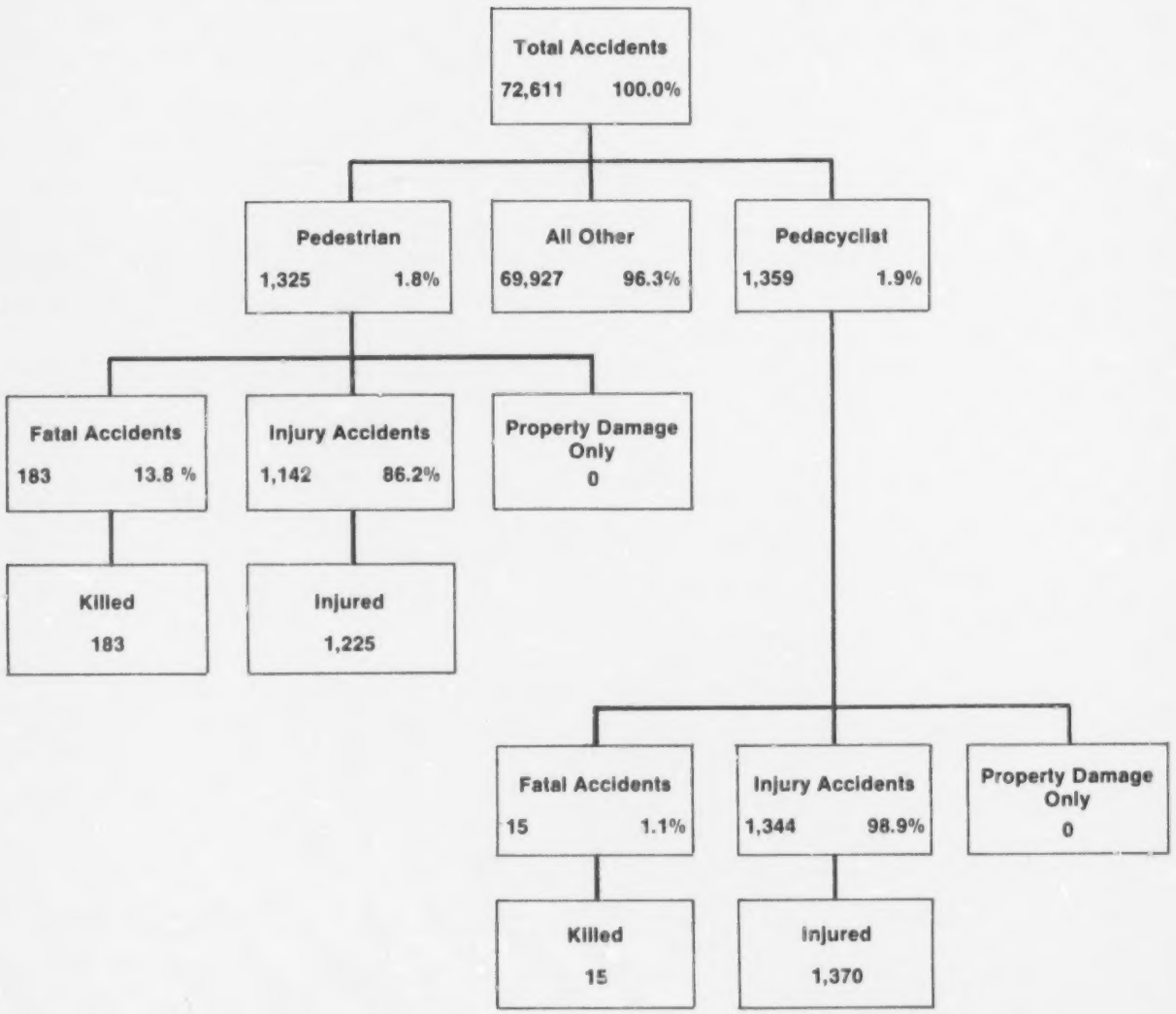
Fatal Accidents Involving Drinking Drivers

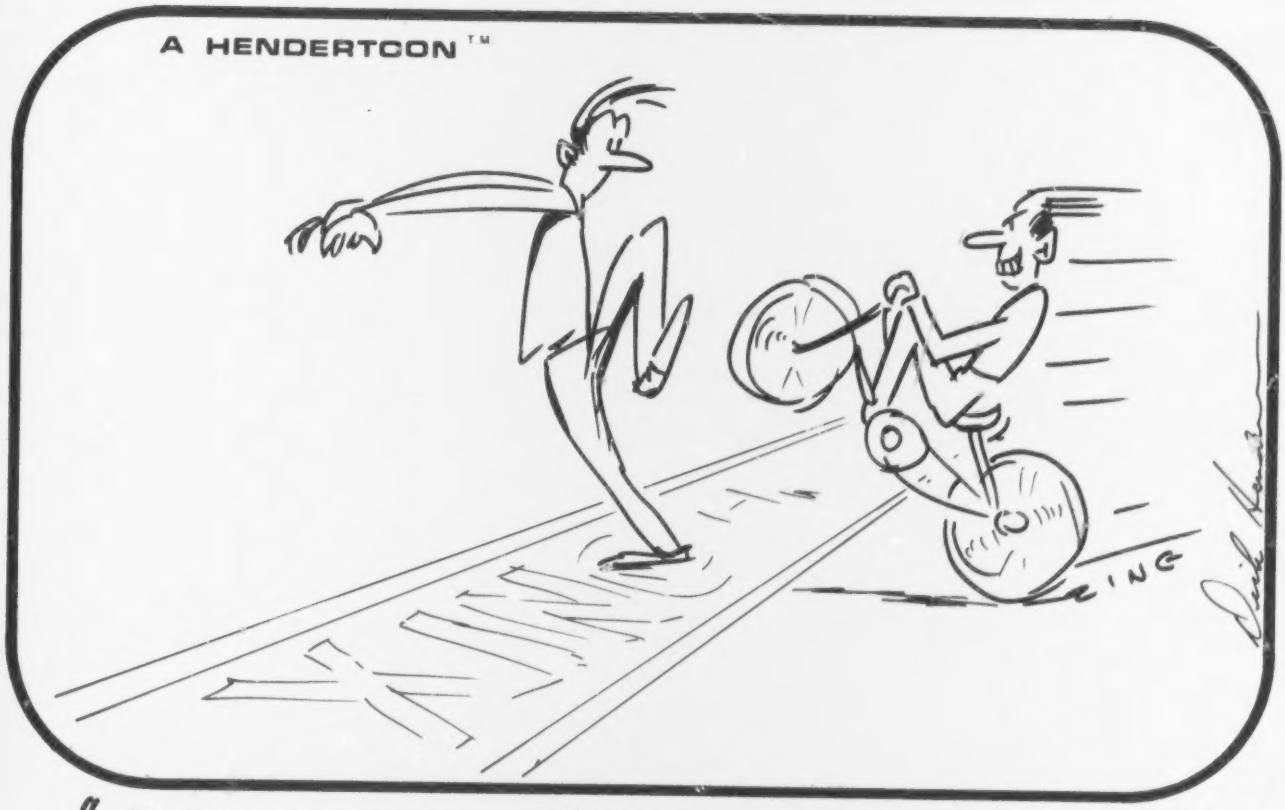




Fatalities and Injuries in Accidents Involving Drinking Drivers

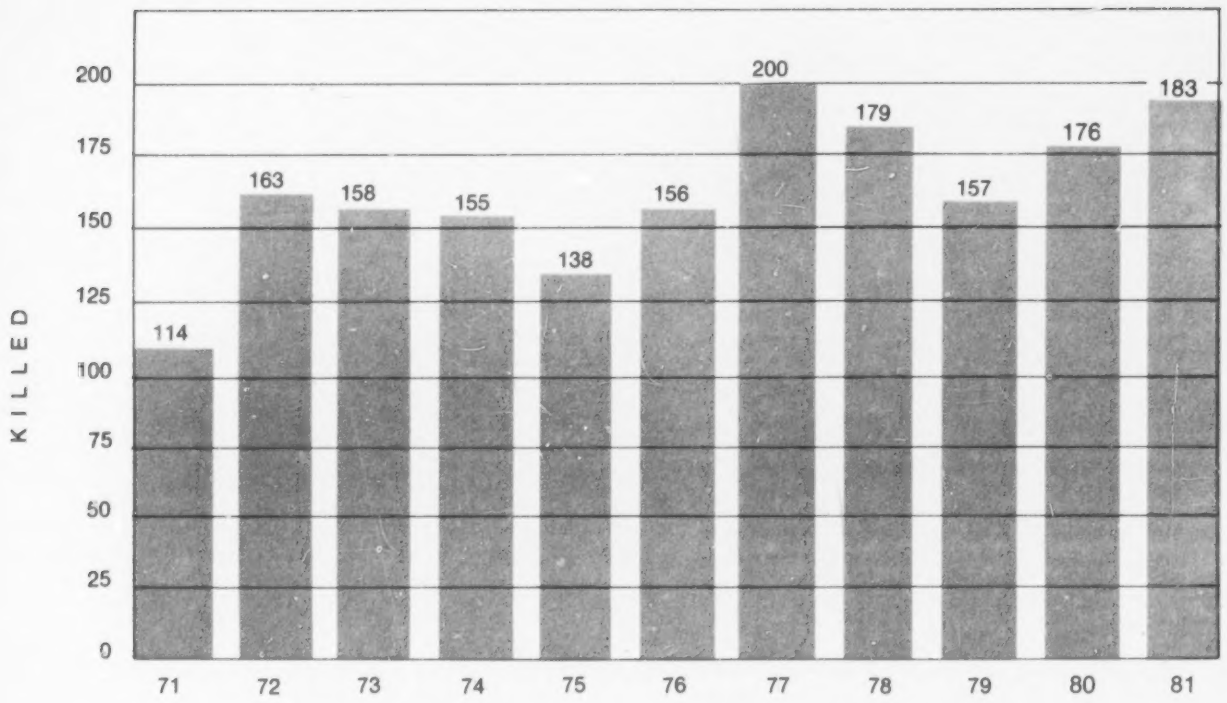
Pedestrian and Pedacyclist Accidents

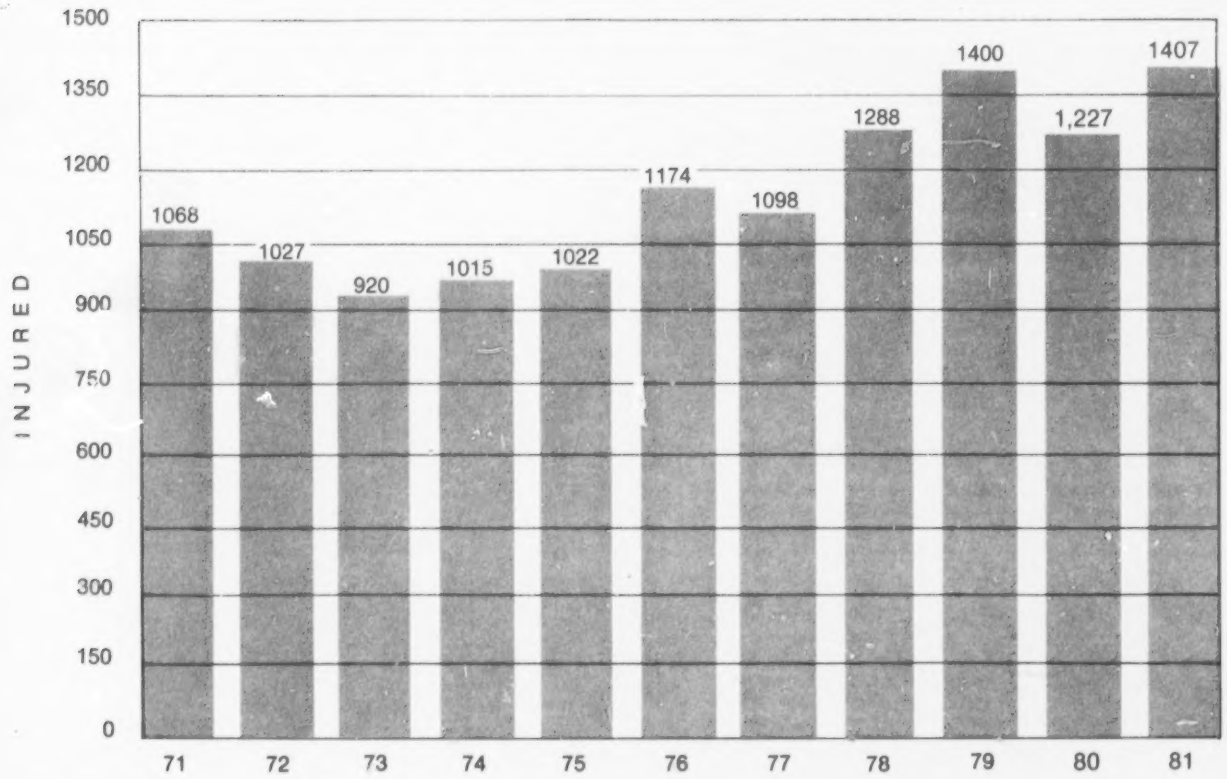




"CROSSWALKS ARE NO INSURANCE AGAINST ACCIDENTS"

Pedestrians Killed and Injured
1971-1981





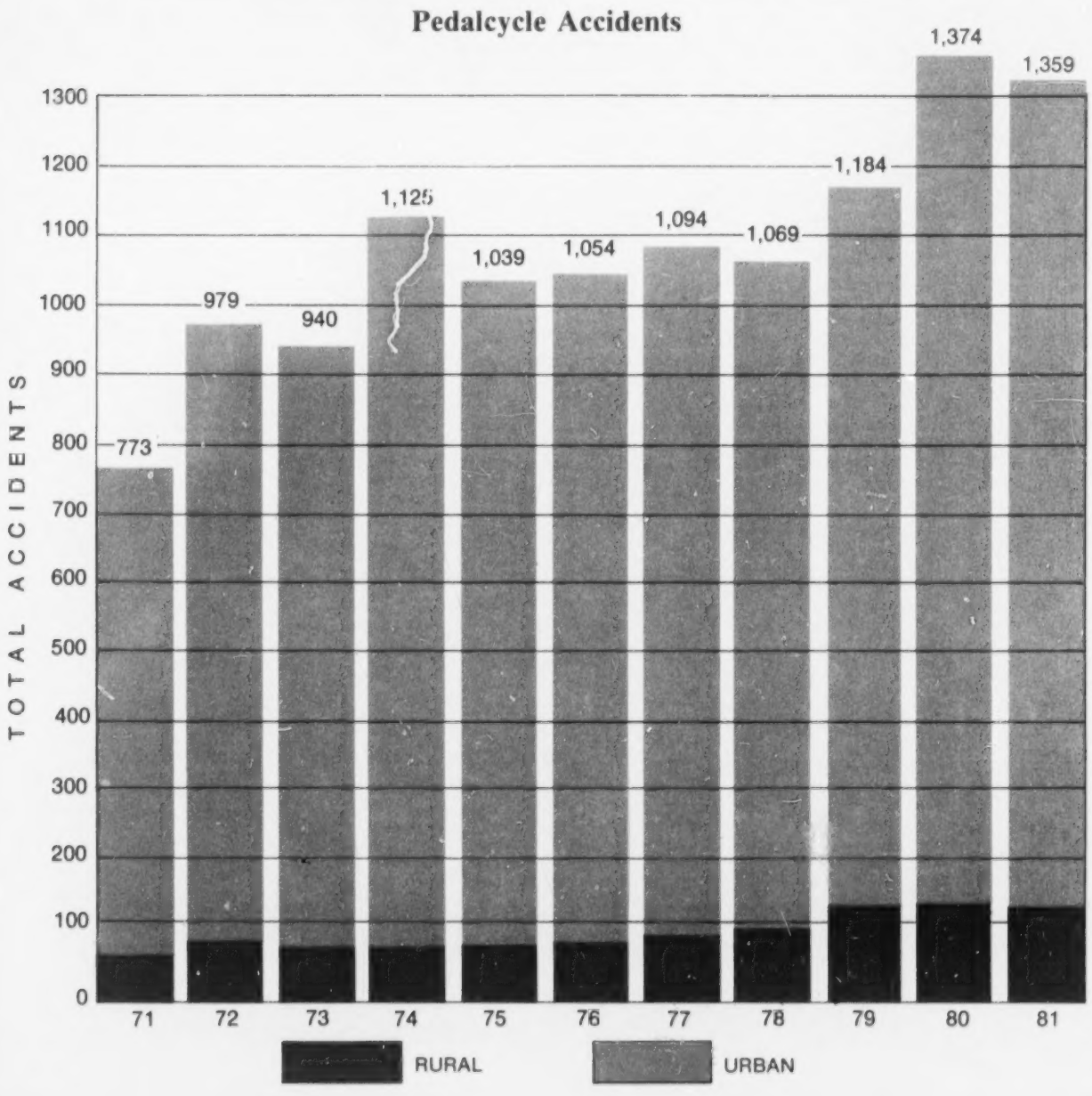
Pedestrian Accidents, 1981

PEDESTRIANS KILLED	Totals	Age of Pedestrians Killed								
		0-4	5-9	10-14	15-19	20-24	25-44	45-64	65 & Older	Not Stated
Crossing at Intersection or Crosswalk	20	0	1	1	1	1	1	3	11	1
Crossing Not at Intersection or Crosswalk	86	6	5	4	4	9	16	10	21	11
Walking in Roadway with Traffic	11	0	0	2	1	0	3	3	1	1
Walking in Roadway Against Traffic	3	0	0	0	0	0	1	2	0	0
Standing in Roadway	11	0	1	1	2	0	5	2	0	0
Pushing or Working on Vehicle in Roadway	4	0	0	0	2	1	0	1	0	0
Other Working in Roadway	1	0	0	0	0	0	0	1	0	0
Playing in Roadway	0	0	0	0	0	0	0	0	0	0
Lying in Roadway	8	1	0	0	1	1	4	0	1	0
Getting On or Off Vehicle in Roadway	1	0	0	0	0	0	1	0	0	0
Other Actions in Roadway	12	0	1	2	0	1	2	1	1	4
Not in Roadway	5	1	0	0	1	0	1	1	1	0
Actions Not Stated	21	1	0	0	1	4	7	2	1	5
Totals	**183**	**9**	**8**	**10**	**13**	**17**	**41**	**26**	**37**	**22**

PEDESTRIANS INJURED	Totals	Age of Pedestrians Injured								
		0-4	5-9	10-14	15-19	20-24	25-44	45-64	65 & Older	Not Stated
Crossing at Intersection or Crosswalk	203	3	18	25	16	19	40	34	27	21
Crossing Not at Intersection or Crosswalk	496	50	70	45	60	48	89	63	40	31
Walking in Roadway With Traffic	46	0	0	3	5	15	9	5	3	6
Walking in Roadway Against Traffic	31	0	0	4	6	4	11	4	1	1
Standing in Roadway	86	5	2	4	11	16	33	5	2	8
Pushing or Working on Vehicle in Roadway	26	0	0	1	0	4	15	1	2	3
Other Working in Roadway	7	0	0	1	0	0	3	0	0	3
Playing in Roadway	0	0	0	0	0	0	0	0	0	0
Lying in Roadway	6	1	0	0	0	0	4	0	0	1
Getting On or Off Vehicle in Roadway	14	0	3	1	0	0	4	4	1	1
Other Actions in Roadway	150	14	21	9	13	11	36	16	10	20
Not in Roadway	63	3	3	6	8	5	16	9	4	9
Actions Not Stated	96	6	10	3	13	5	18	13	9	19
Totals	**1,224**	**82**	**127**	**102**	**132**	**127**	**278**	**154**	**99**	**123**

Pedalcycle Accidents 1971-1981

YEARS	Number of Persons	
	Total Killed	Total Injured
1971	9	712
1972	11	846
1973	16	839
1974	18	919
1975	16	926
1976	17	956
1977	19	1016
1978	18	1076
1979	14	1197
1980	19	1377
1981	15	1370



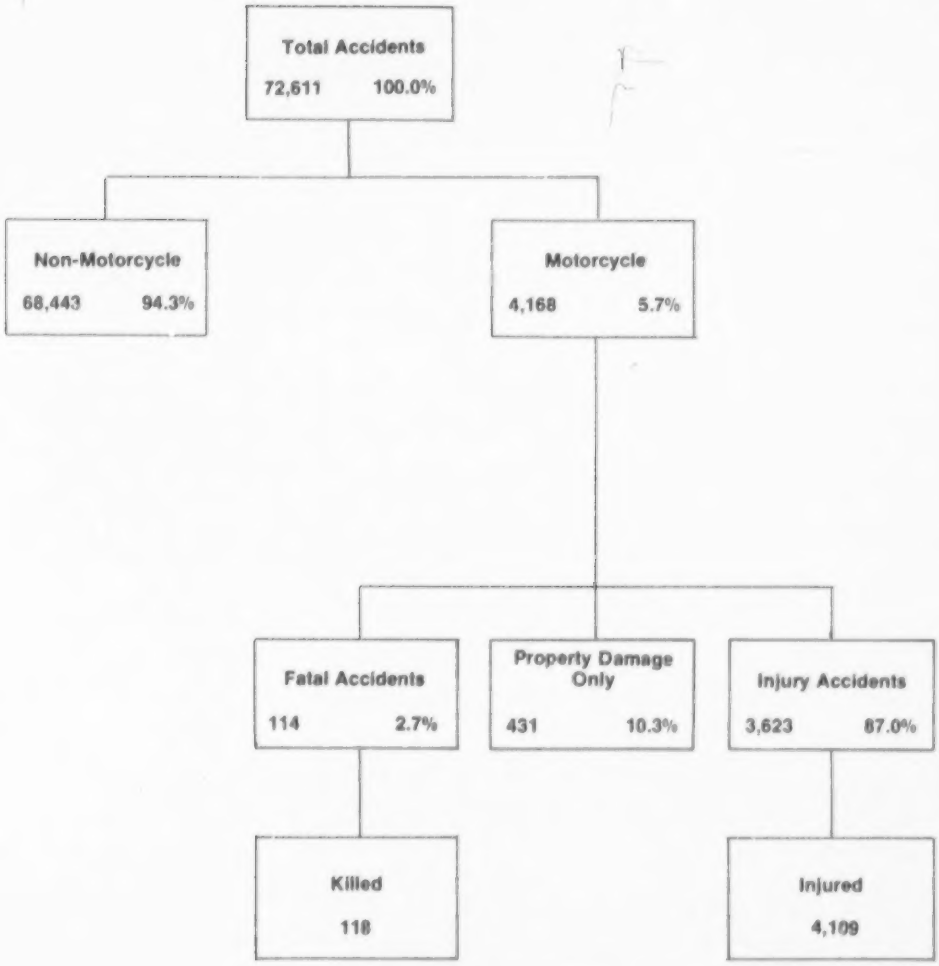
1981 Pedalcycle Accidents

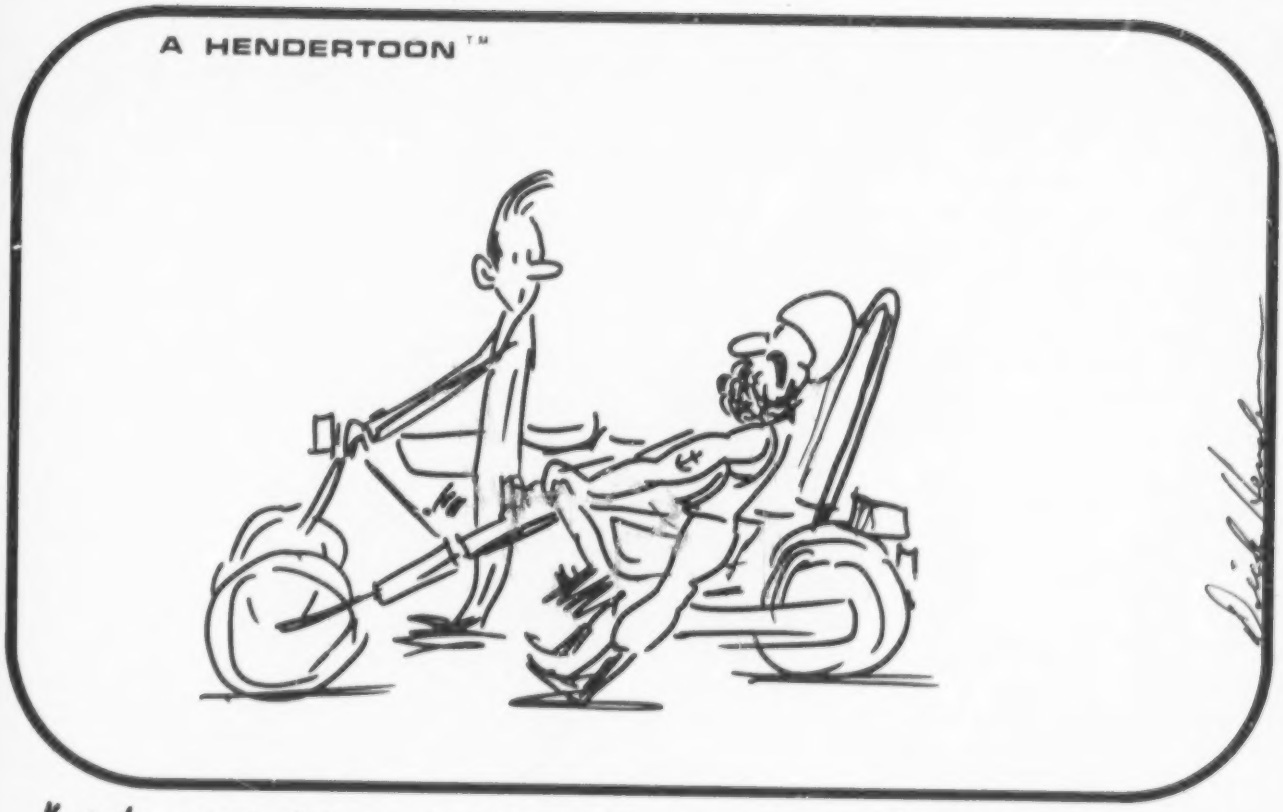
STATEWIDE	Total	Urban	Rural
Number of Accidents	1,359	1,246	113
Persons Killed	15	10	5
Persons Injured	1,370	1,260	110

Sex and Age of Pedalcyclists Killed and Injured

Age Group	Persons Killed			Persons Injured			
	Total	Male	Female	Total	Male	Female	Not Stated
0 - 4	0	0	0	15	10	5	0
5 - 9	0	0	0	143	115	27	1
10 - 14	6	5	1	346	264	82	0
15 - 19	1	0	1	317	222	95	0
20 - 24	2	1	1	206	137	69	0
25 - 34	3	3	0	147	110	37	0
35 - 44	1	1	0	36	19	17	0
45 - 54	0	0	0	14	9	5	0
55 - 64	1	1	0	23	17	6	0
65 - 74	0	0	0	20	16	4	0
75 and Over	0	0	0	14	14	0	0
Age Not Stated	1	1	0	89	62	26	1
Totals	**15**	**12**	**3**	**1,370**	**995**	**373**	**2**

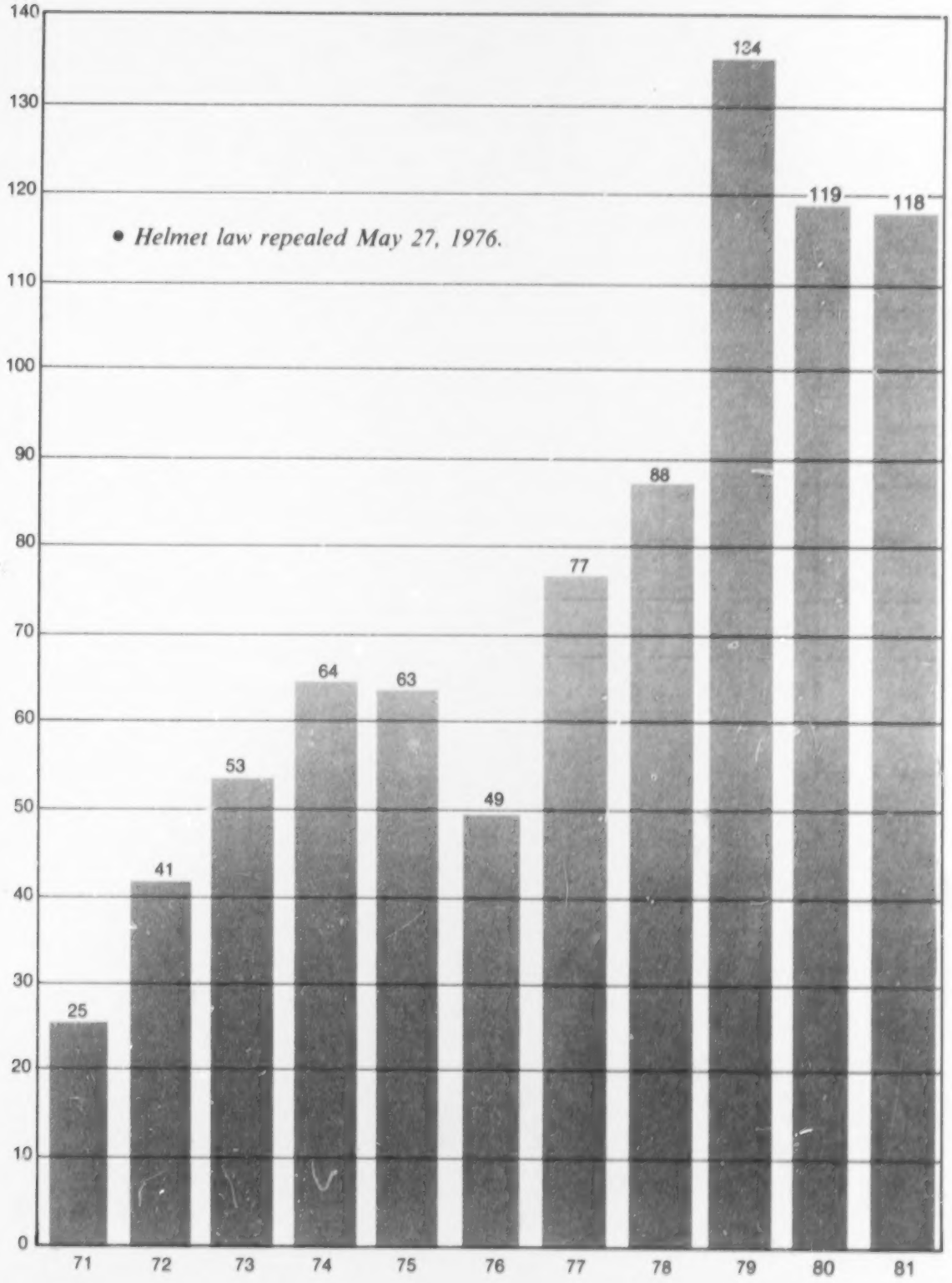
Motorcycle Accidents



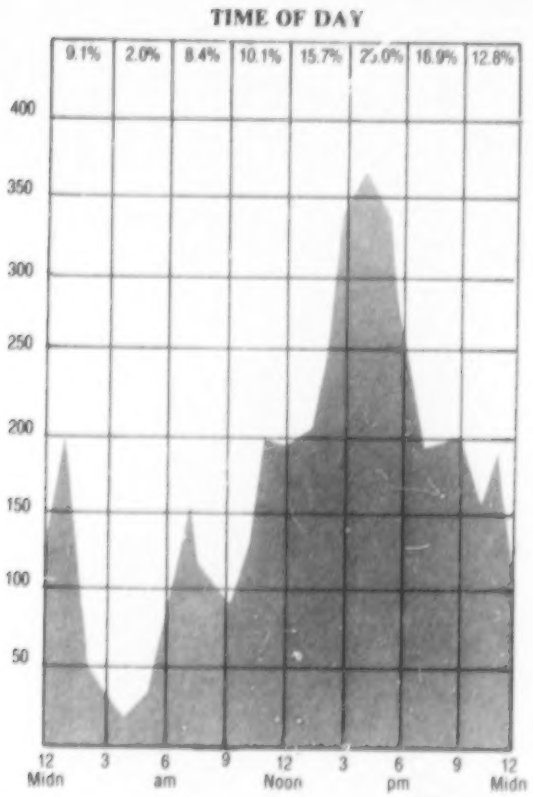


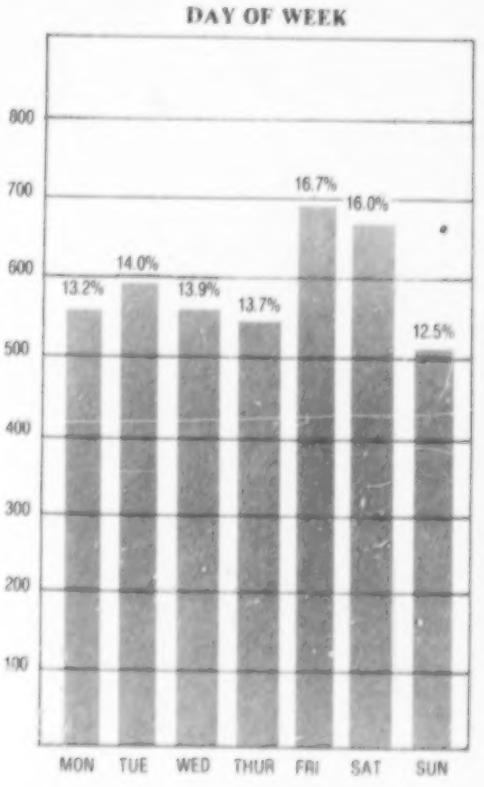
"IT'S NOT THE LAW TO WEAR A HELMET BUT IT DOES MAKE SENSE."

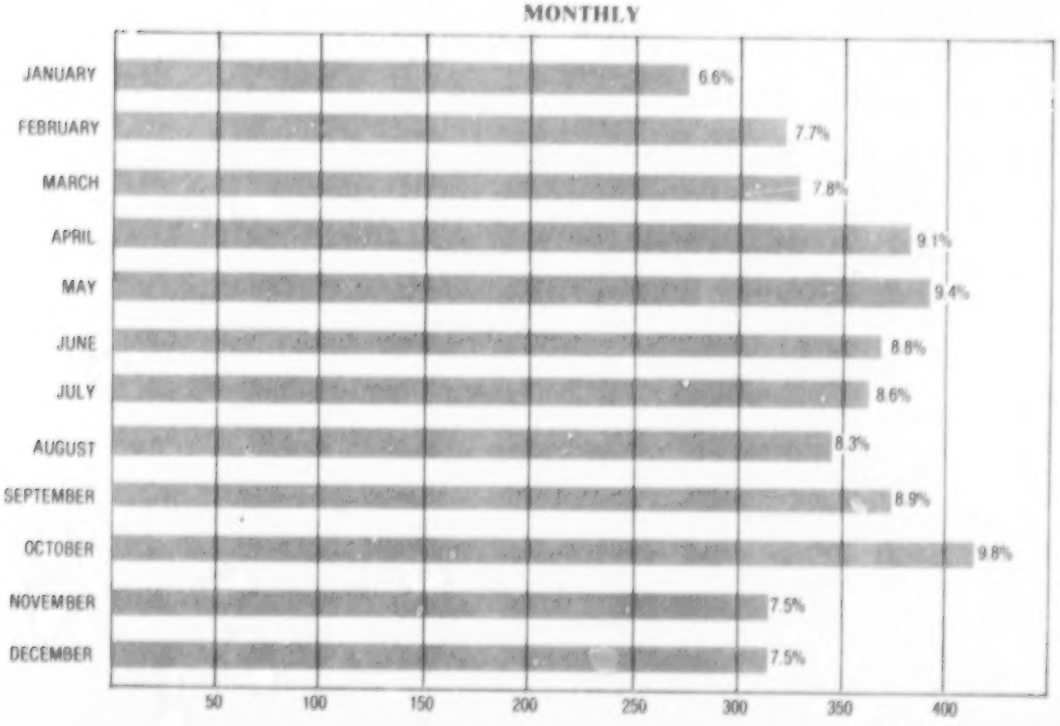
Motorcycle Fatalities
1970-1980



Total Accidents Involving Motorcycles







Motorcycle Drivers Involved in Accidents

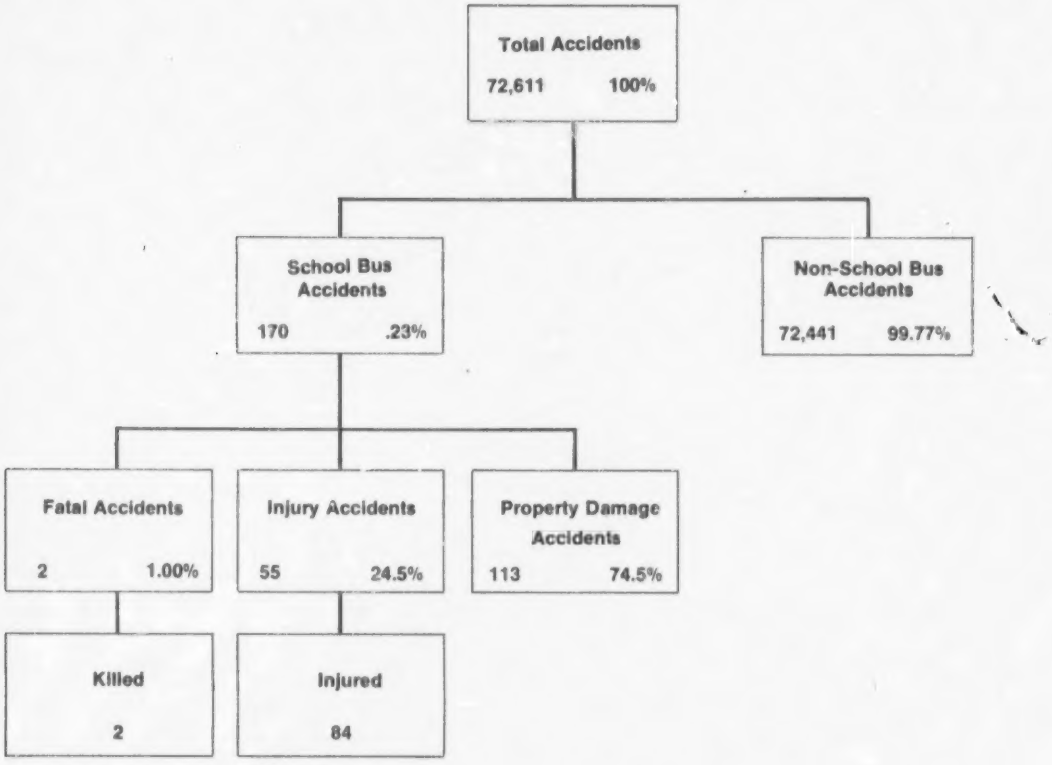
AGE OF DRIVER	Number of Drivers	Percent of Total	Number of Drivers in Fatal Accidents	Number of Drivers in Nonfatal Injury Accidents
15 & Younger	92	2.2	0	81
16	90	2.1	2	80
17	124	2.9	2	114
18-19	525	12.4	10	479
20-24	1,284	30.3	37	1,113
25-34	1,372	32.4	49	1,194
35-44	398	9.4	5	359
45-54	159	3.8	7	137
55-64	48	1.1	2	41
65-74	36	.9	3	29
75 & Older	4	.1	0	4
Not Stated	101	2.4	2	48
Totals	**4,233**	**100.0%**	**119**	**3,679**

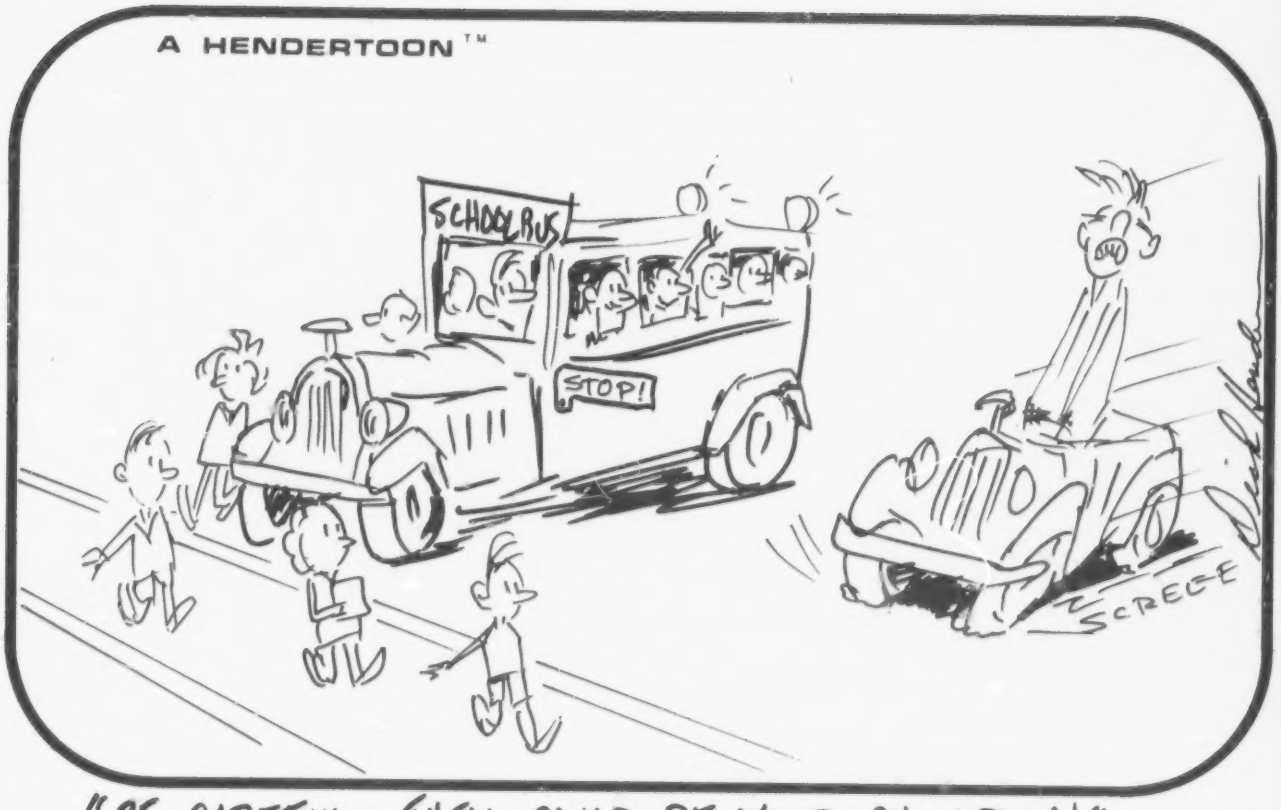
SEX OF DRIVER	Number of Drivers	Number of Drivers in Fatal Accidents	Number of Drivers in Nonfatal Injury Accidents
Male	4,000	116	3,504
Female	181	2	165
Not Reported	52	1	10
Totals	**4,233**	**119**	**3,679**

TYPE OF MOTOR VEHICLE ACCIDENT	Total	Fatal	Non-Fatal Injury	Property Damage
Overturning	19	0	18	1
Other Non-collision	987	21	907	59
Pedestrian	31	3	28	0
Motor Vehicle in Transport	2,618	71	2,231	316
Parked Motor Vehicle	86	0	57	29
Railway Train	0	0	0	0
Pedalcyclist	24	0	24	0
Animal	47	0	45	2
Fixed Object	331	18	293	20
Other Object	25	1	20	4
Totals	**4,168**	**114**	**3,623**	**431**

Fatalities and Injuries in Accidents Involving Motorcycles

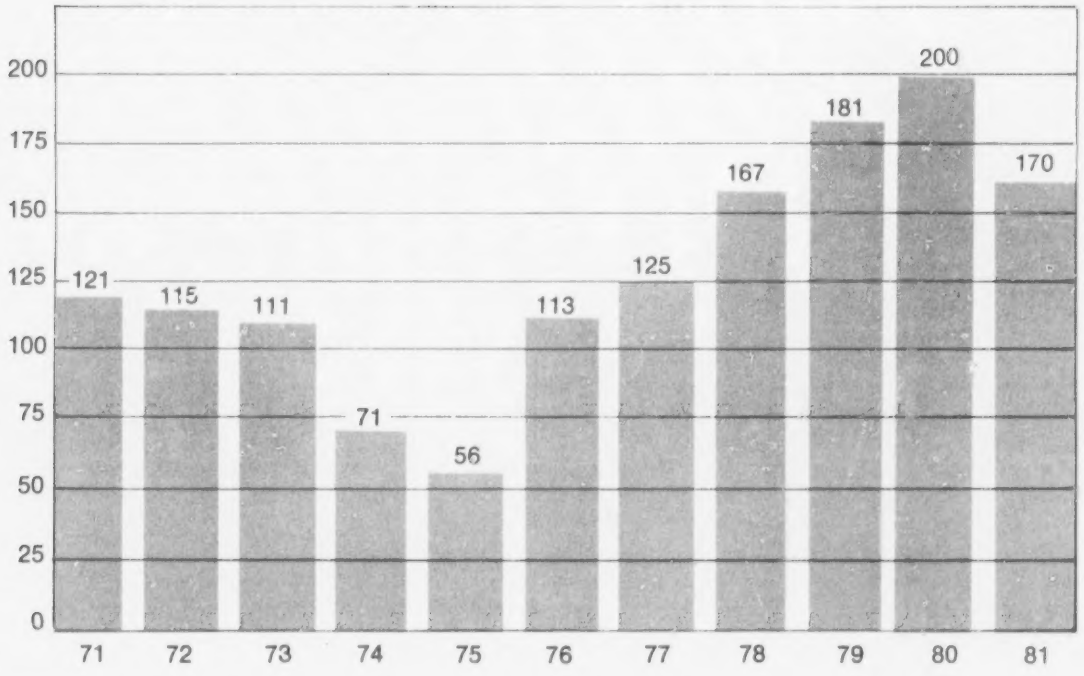
School Bus Accidents



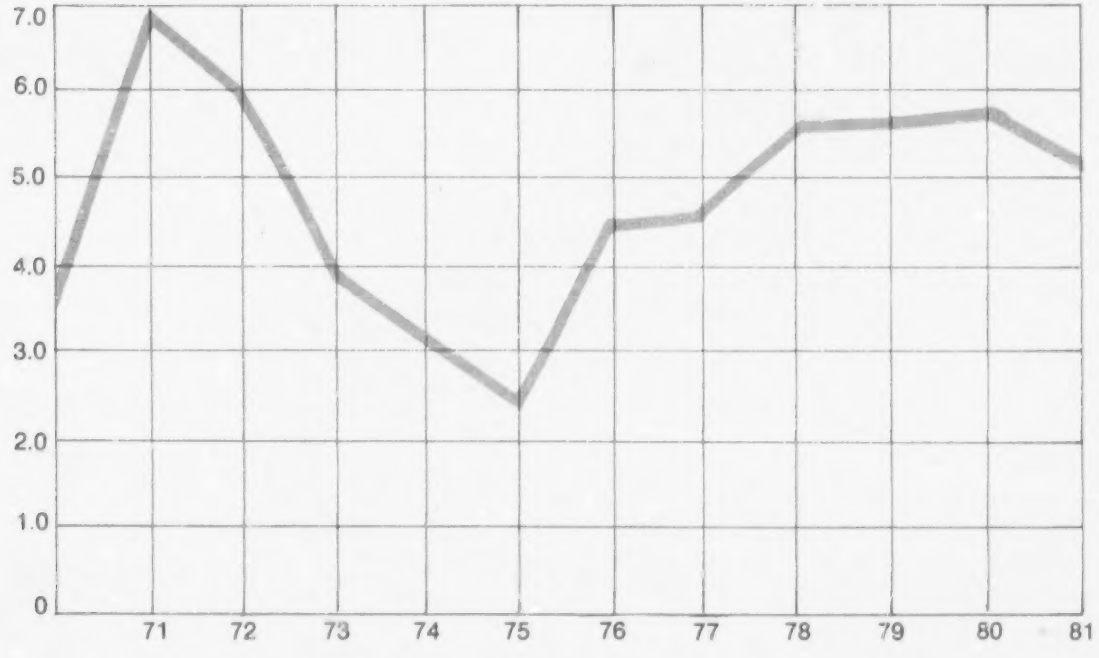


"BE CAREFUL—THEY COULD BE YOUR CHILDREN"

School Bus Accidents 1971-1981



School Bus Accidents/1,000,000 Vehicle Miles



State of Arizona
School Bus Statistics
1975-1981

	1975	1976	1977	1978	1979	1980	1981
Number of Public School Buses	2,081	2,092	2,322	2,386	2,531	2,592	2,699
Number of Private and Parochial Buses	125	131	140	124	159	132	168
Number of Contracted Buses	85	112	112	108	128	129	136
Total Number of School Buses	2,291	2,335	2,574	2,618	2,818	2,853	3,003
Total Miles Driven (Millions)	24.2	25.5	27.3	29.3	31.6	34.1	32.8
Public School Pupils Transported Daily	184,259	177,340	165,439	167,477	173,771	177,065	174,581
Private and Parochial Pupils Transported Daily	6,330	6,780	7,407	7,350	10,907	8,978	10,800
Total Number of School Bus Accidents	56	113	125	167	181	200	170
Pupil Passengers:							
Killed	0	0	0	0	0	0	0
Injured	13	22	3	14	3	66	0
Bus Drivers:							
Killed	0	0	0	0	0	0	1
Injured	0	3	0	0	0	5	24
Others:							
Killed	0	1	3	2	1	2	0
Injured	12	26	6	8	12	33	6
Property Damage Only:							
Accidents	43	80	116	152	173	149	113
School Bus Drivers Involved:							
Male	37	71	68	100	82	98	92
Female	18	42	56	67	97	101	83
Accident Time of Day:							
A.M.	26	48	57	74	78	84	67
P.M.	30	65	68	93	103	116	103
Vehicles Involved:							
Automobiles	32	69	83	103	118	123	112
Trucks (Including Pick-Ups)	17	24	26	44	30	62	43
Parked Vehicles	3	7	4	7	10	11	11
Other	2	13	10	13	6	13	10
Accident Location:							
Interstate Highway	3	2	3	4	2	4	5
State Highway	7	10	13	15	18	19	15
County Road	11	24	26	16	28	42	32
City Street	34	69	81	130	133	136	114
Other	0	2	2	0	0	0	4
Weather Conditions:							
Clear and Dry	50	103	116	141	159	156	143
Rain	3	7	6	16	12	12	15
Snow or Ice	4	3	2	8	10	3	2
Dust	0	0	1	1	0	1	0
Fog	0	0	0	1	0	0	0

*School bus accident for statistical purposes is one in which the school bus is directly involved.